

**Appendix table 3-1. Number of earned bachelor's degrees, by field and by race/ethnicity of recipient: 1989-1995**

Field	Page 1 of 5						
	1989	1990	1991	1992	1993	1994	1995
Total, all recipients							
Total science and engineering.....	337,431	345,793	356,785	376,933	388,435	395,380	399,809
Engineering.....	66,947	64,703	62,186	61,898	62,670	62,962	63,330
Sciences.....	270,484	281,090	294,599	315,035	325,765	332,418	336,479
Natural sciences.....	109,350	105,234	105,595	111,108	116,742	122,792	129,447
Physical science <sup>1</sup> .....	17,329	16,203	16,407	17,076	17,691	18,525	19,375
Mathematical science.....	15,314	14,674	14,784	14,851	14,870	14,431	13,759
Computer science.....	30,963	27,695	25,410	24,854	24,477	24,458	24,662
Biological science.....	36,949	38,040	40,351	43,835	47,877	52,213	56,804
Agricultural science.....	8,795	8,622	8,643	10,492	11,827	13,165	14,847
Social sciences.....	161,134	175,856	189,004	203,927	209,023	209,626	207,032
Social science.....	112,180	121,838	130,111	139,884	141,772	139,858	134,431
Psychology.....	48,954	54,018	58,893	64,043	67,251	69,768	72,601
Non-S&E <sup>2</sup> .....	692,740	716,358	751,212	773,139	790,843	787,761	774,627
Grand total.....	1,030,171	1,062,151	1,107,997	1,150,072	1,179,278	1,183,141	1,174,436
U.S. citizens and permanent residents, total <sup>3</sup>							
Total science and engineering.....	325,108	333,475	344,061	364,695	374,633	381,451	385,055
Engineering.....	61,875	59,786	57,604	57,675	58,165	58,422	58,520
Sciences.....	263,233	273,689	286,457	307,020	316,468	323,029	326,535
Natural sciences.....	104,928	100,908	101,039	106,739	111,656	117,843	124,297
Physical science <sup>1</sup> .....	16,724	15,608	15,799	16,469	16,927	17,812	18,652
Mathematical science.....	14,771	14,150	14,206	14,259	14,318	13,869	13,166
Computer science.....	28,828	25,629	23,373	22,880	22,273	22,185	22,367
Biological science.....	36,076	37,173	39,288	42,842	46,660	51,058	55,523
Agricultural science.....	8,529	8,348	8,373	10,289	11,478	12,919	14,589
Social sciences.....	158,305	172,781	185,418	200,281	204,812	205,186	202,238
Social science.....	109,862	119,288	127,216	136,902	138,391	136,273	130,579
Psychology.....	48,443	53,493	58,202	63,379	66,421	68,913	71,659
Non-S&E <sup>2</sup> .....	678,606	702,123	734,279	756,830	772,274	767,463	752,369
Grand total.....	1,003,714	1,035,598	1,078,340	1,121,525	1,146,907	1,148,914	1,137,424

See explanatory information and SOURCES at end of table.

**Appendix table 3-1. Number of earned bachelor's degrees, by field and by race/ethnicity of recipient: 1989-1995**

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Field	1989	1990	1991	1992	1993	1994	1995
White, non-Hispanics							
Total science and engineering.....	266,862	270,225	278,190	292,614	297,171	297,616	294,773
Engineering.....	50,081	47,494	45,162	45,026	44,853	44,687	43,726
Sciences.....	216,781	222,731	233,028	247,588	252,318	252,929	251,047
Natural sciences.....	84,578	80,210	80,111	84,133	87,401	91,196	94,575
Physical science <sup>1</sup> .....	14,238	13,055	13,145	13,678	13,941	14,616	14,952
Mathematical science.....	12,287	11,765	11,649	11,723	11,669	11,089	10,343
Computer science.....	21,711	18,918	17,349	16,844	16,155	15,816	15,532
Biological science.....	28,404	28,814	30,264	32,506	35,080	37,942	40,628
Agricultural science.....	7,938	7,658	7,704	9,382	10,556	11,733	13,120
Social sciences.....	132,203	142,521	152,917	163,455	164,917	161,733	156,472
Social science.....	91,697	98,385	104,783	111,389	111,154	106,863	100,558
Psychology.....	40,506	44,136	48,134	52,066	53,763	54,870	55,914
Non-S&E <sup>2</sup> .....	573,464	586,461	614,173	628,839	634,432	620,508	598,012
Grand total.....	840,326	856,686	892,363	921,453	931,603	918,124	892,785
Asians							
Total science and engineering.....	19,138	19,437	20,552	22,635	24,504	26,420	29,128
Engineering.....	6,075	6,012	6,220	6,265	6,407	6,516	6,785
Sciences.....	13,063	13,425	14,332	16,370	18,097	19,904	22,343
Natural sciences	7,260	7,326	7,595	8,496	9,524	10,401	12,007
Physical science <sup>1</sup> .....	922	937	983	1,001	1,098	1,096	1,347
Mathematical science.....	1,019	874	915	857	915	926	965
Computer science.....	2,268	2,144	2,010	2,082	2,245	2,247	2,365
Biological science.....	2,907	3,245	3,559	4,402	5,103	5,959	7,043
Agricultural science.....	144	126	128	154	163	173	287
Social sciences.....	5,803	6,099	6,737	7,874	8,573	9,503	10,336
Social science.....	4,228	4,469	4,852	5,724	6,035	6,726	7,005
Psychology.....	1,575	1,630	1,885	2,150	2,538	2,777	3,331
Non-S&E <sup>2</sup> .....	18,435	18,590	21,173	23,981	26,083	28,255	30,167
Grand total.....	37,573	38,027	41,725	46,616	50,587	54,675	59,295

See explanatory information and SOURCES at end of table.

**Appendix table 3-1. Number of earned bachelor's degrees, by field and by race/ethnicity of recipient: 1989-1995**

Field	Page 3 of 5						
	1989	1990	1991	1992	1993	1994	1995
Underrepresented minorities, total							
Total science and engineering.....	31,950	33,419	36,682	41,383	44,682	48,822	51,844
Engineering.....	4,805	4,729	4,953	5,277	5,714	6,020	6,717
Sciences.....	27,145	28,690	31,729	36,106	38,968	42,802	45,127
Natural sciences.....	10,830	10,530	10,960	11,722	12,510	13,782	14,815
Physical science <sup>1</sup> .....	1,322	1,245	1,355	1,425	1,528	1,737	1,932
Mathematical science.....	1,218	1,178	1,334	1,432	1,490	1,594	1,589
Computer science.....	3,742	3,416	3,292	3,342	3,390	3,611	3,915
Biological science.....	4,151	4,243	4,551	5,043	5,602	6,127	6,606
Agricultural science.....	397	448	428	480	500	713	773
Social sciences.....	16,315	18,160	20,769	24,384	26,458	29,020	30,312
Social science.....	11,212	12,394	14,100	16,647	17,918	19,400	19,621
Psychology.....	5,103	5,766	6,669	7,737	8,540	9,620	10,691
Non-S&E <sup>2</sup> .....	70,215	73,958	81,840	88,065	95,404	102,241	106,588
Grand total.....	102,165	107,377	118,522	129,448	140,086	151,063	158,432
Black, non-Hispanics							
Total science and engineering.....	17,385	18,230	19,987	22,431	24,421	26,289	27,528
Engineering.....	2,067	2,072	2,229	2,362	2,577	2,659	2,845
Sciences.....	15,318	16,158	17,758	20,069	21,844	23,630	24,683
Natural sciences.....	6,005	5,782	5,834	6,401	6,972	7,559	8,021
Physical science <sup>1</sup> .....	697	650	753	816	836	921	1,034
Mathematical science.....	792	720	811	904	965	992	995
Computer science.....	2,457	2,247	1,997	2,090	2,213	2,398	2,498
Biological science.....	1,916	1,994	2,111	2,385	2,739	2,980	3,231
Agricultural science.....	143	171	162	206	219	268	263
Social sciences.....	9,313	10,376	11,924	13,668	14,872	16,071	16,662
Social science.....	6,570	7,226	8,236	9,489	10,254	10,835	10,921
Psychology.....	2,743	3,150	3,688	4,179	4,618	5,236	5,741
Non-S&E <sup>2</sup> .....	39,452	41,071	45,022	48,880	52,246	56,027	57,759
Grand total.....	56,837	59,301	65,009	71,311	76,667	82,316	85,287

See explanatory information and SOURCES at end of table.

**Appendix table 3-1. Number of earned bachelor's degrees, by field and by race/ethnicity of recipient: 1989-1995**

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Field	1989	1990	1991	1992	1993	1994	1995
Hispanics							
Total science and engineering.....	13,327	13,918	15,351	17,391	18,442	20,529	22,190
Engineering.....	2,561	2,511	2,566	2,733	2,961	3,143	3,651
Sciences.....	10,766	11,407	12,785	14,658	15,481	17,386	18,539
Natural sciences.....	4,417	4,357	4,705	4,892	5,034	5,648	6,119
Physical science <sup>1</sup> .....	563	522	533	546	599	733	800
Mathematical science.....	373	413	480	482	470	543	536
Computer science.....	1,195	1,085	1,215	1,173	1,096	1,135	1,307
Biological science.....	2,090	2,119	2,264	2,477	2,652	2,901	3,090
Agricultural science.....	196	218	213	214	217	336	386
Social sciences.....	6,349	7,050	8,080	9,766	10,447	11,738	12,420
Social science.....	4,197	4,645	5,334	6,519	6,860	7,748	7,877
Psychology.....	2,152	2,405	2,746	3,247	3,587	3,990	4,543
Non-S&E <sup>2</sup> .....	28,034	29,946	33,676	35,616	39,403	42,154	44,501
Grand total.....	41,361	43,864	49,027	53,007	57,845	62,683	66,691
American Indians or Alaskan Natives							
Total science and engineering.....	1,238	1,271	1,344	1,561	1,819	2,004	2,126
Engineering.....	177	146	158	182	176	218	221
Sciences.....	1,061	1,125	1,186	1,379	1,643	1,786	1,905
Natural sciences.....	408	391	421	429	504	575	675
Physical science <sup>1</sup> .....	62	73	69	63	93	83	98
Mathematical science.....	53	45	43	46	55	59	58
Computer science.....	90	84	80	79	81	78	110
Biological science.....	145	130	176	181	211	246	285
Agricultural science.....	58	59	53	60	64	109	124
Social sciences.....	653	734	765	950	1,139	1,211	1,230
Social science.....	445	523	530	639	804	817	823
Psychology.....	208	211	235	311	335	394	407
Non-S&E <sup>2</sup> .....	2,729	2,941	3,142	3,569	3,755	4,060	4,328
Grand total.....	3,967	4,212	4,486	5,130	5,574	6,064	6,454

See explanatory information and SOURCES at end of table.

**Appendix table 3-1. Number of earned bachelor's degrees, by field and by race/ethnicity of recipient: 1989-1995**

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Field	1989	1990	1991	1992	1993	1994	1995
	U.S. citizens and permanent residents, unknown race/ethnicity						
Total science and engineering.....	7,158	10,394	8,637	8,063	8,276	8,593	9,310
Engineering.....	914	1,551	1,269	1,107	1,191	1,199	1,292
Sciences.....	6,244	8,843	7,368	6,956	7,085	7,394	8,018
Natural sciences.....	2,260	2,842	2,373	2,388	2,221	2,464	2,900
Physical science <sup>1</sup> .....	242	371	316	365	360	363	421
Mathematical science.....	247	333	308	247	244	260	269
Computer science.....	1,107	1,151	722	612	483	511	555
Biological science.....	614	871	914	891	875	1,030	1,246
Agricultural science.....	50	116	113	273	259	300	409
Social sciences.....	3,984	6,001	4,995	4,568	4,864	4,930	5,118
Social science.....	2,725	4,040	3,481	3,142	3,284	3,284	3,395
Psychology.....	1,259	1,961	1,514	1,426	1,580	1,646	1,723
Non-S&E <sup>2</sup> .....	16,492	23,114	17,093	15,945	16,355	16,459	17,602
Grand total.....	23,650	33,508	25,730	24,008	24,631	25,052	26,912
Nonresident aliens <sup>4</sup>							
Total science and engineering.....	12,323	12,318	12,724	12,238	13,802	13,929	14,754
Engineering.....	5,072	4,917	4,582	4,223	4,505	4,540	4,810
Sciences.....	7,251	7,401	8,142	8,015	9,297	9,389	9,944
Natural sciences.....	4,422	4,326	4,556	4,369	5,086	4,949	5,150
Physical science <sup>1</sup> .....	605	595	608	607	764	713	723
Mathematical science.....	543	524	578	592	552	562	593
Computer science.....	2,135	2,066	2,037	1,974	2,204	2,273	2,295
Biological science.....	873	867	1,063	993	1,217	1,155	1,281
Agricultural science.....	266	274	270	203	349	246	258
Social sciences.....	2,829	3,075	3,586	3,646	4,211	4,440	4,794
Social science.....	2,318	2,550	2,895	2,982	3,381	3,585	3,852
Psychology.....	511	525	691	664	830	855	942
Non-S&E <sup>2</sup> .....	14,134	14,235	16,933	16,309	18,569	20,298	22,258
Grand total.....	26,457	26,553	29,657	28,547	32,371	34,227	37,012

<sup>1</sup> In this table, "Physical science" includes earth, atmospheric, and ocean sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

<sup>3</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

<sup>4</sup> Nonresident aliens include foreign citizens on temporary visas only. No racial/ethnic data are collected for this group.

NOTES: Data on race/ethnicity were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

SOURCE: Tabulations by National Science Foundation/SRS; data from National Center for Education Statistics IPEDS Completions Surveys, 1989-1995.

**Appendix table 3-2. Bachelor's degrees awarded to women, by major field group: 1966-1995**

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Year	All fields	Science and engineering fields								All other fields
		Total	Engineering	Physical sciences	Earth, atmospheric, and ocean sciences	Mathematical/computer sciences	Biological/agricultural	Psychology	Social sciences	
1966.....	222,971	45,634	146	2,172	161	6,702	7,465	6,928	22,060	177,337
1967.....	238,133	50,787	184	2,205	197	7,334	7,948	7,778	25,141	187,346
1968.....	277,116	61,397	216	2,435	234	8,841	8,966	10,130	30,575	215,719
1969.....	321,138	72,917	312	2,661	291	10,348	10,090	12,700	36,515	248,221
1970.....	344,465	79,702	337	2,626	343	10,516	10,700	14,717	40,463	264,763
1971.....	367,687	85,039	361	2,631	383	9,818	11,016	17,037	43,793	282,648
1972.....	390,479	90,037	492	2,653	495	9,784	11,777	20,154	44,682	300,442
1973.....	408,738	95,995	576	2,589	532	9,985	13,779	22,986	45,548	312,743
1974.....	423,469	102,578	698	2,767	768	9,719	16,732	26,407	45,487	320,891
1975.....	423,239	102,814	845	3,011	827	8,656	19,384	27,103	42,988	320,425
1976.....	425,894	103,921	1,317	3,217	922	7,678	21,836	27,376	41,575	321,973
1977.....	429,107	104,993	2,044	3,377	1,174	7,488	23,250	27,102	40,558	324,114
1978.....	439,135	107,667	3,482	3,690	1,294	7,110	24,363	26,540	41,188	331,468
1979.....	449,946	109,915	4,881	3,899	1,387	7,421	24,787	26,363	41,177	340,031
1980.....	462,501	113,480	5,952	4,185	1,462	8,247	25,011	26,923	41,700	349,021
1981.....	472,541	115,815	7,063	4,309	1,666	9,734	24,657	26,917	41,469	356,726
1982.....	486,500	121,399	8,275	4,526	1,807	12,173	24,313	27,783	42,522	365,101
1983.....	497,284	123,191	9,652	4,611	1,848	14,542	24,279	27,597	40,662	374,093
1984.....	499,595	125,134	10,729	4,656	1,934	18,053	23,243	27,426	39,093	374,461
1985.....	504,217	128,871	11,246	4,836	1,861	21,525	23,140	27,422	38,841	375,346
1986.....	510,061	130,662	11,138	4,696	1,354	22,806	22,953	28,246	39,469	379,399
1987.....	518,529	131,545	11,404	4,672	1,060	21,571	22,403	29,796	40,639	386,984
1988.....	524,797	130,933	10,779	4,582	847	18,765	22,375	31,794	41,791	393,864
1989.....	542,605	133,483	10,188	4,371	801	16,595	21,679	34,663	45,186	409,122
1990.....	566,284	140,012	9,973	4,319	775	15,185	22,401	38,619	48,740	426,272
1991.....	599,045	148,347	9,665	4,425	782	14,494	23,776	42,738	52,467	450,698
1992.....	624,677	159,486	9,636	4,586	1,024	14,196	26,720	46,903	56,421	465,191
1993.....	641,742	165,720	9,981	4,764	1,050	13,950	29,182	49,222	57,571	476,022
1994.....	646,080	170,977	10,403	5,067	1,203	13,788	31,921	51,019	57,576	475,103
1995.....	643,290	175,931	10,950	5,292	1,524	13,554	35,555	52,963	56,093	467,359

See explanatory information and SOURCES at end of table.

**Appendix table 3-2. Bachelor's degrees awarded to women, by major field group: 1966-1995**

[Percentage distribution of bachelor's degrees awarded to women]

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Year	All fields	Science and engineering fields								All other fields
		Total	Engineering	Physical sciences	Earth, atmospheric, and ocean sciences	Mathematical/computer sciences	Biological/agricultural	Psychology	Social sciences	
1966.....	100.0	20.5	0.1	1.0	0.1	3.0	3.3	3.1	9.9	79.5
1967.....	100.0	21.3	0.1	0.9	0.1	3.1	3.3	3.3	10.6	78.7
1968.....	100.0	22.2	0.1	0.9	0.1	3.2	3.2	3.7	11.0	77.8
1969.....	100.0	22.7	0.1	0.8	0.1	3.2	3.1	4.0	11.4	77.3
1970.....	100.0	23.1	0.1	0.8	0.1	3.1	3.1	4.3	11.7	76.9
1971.....	100.0	23.1	0.1	0.7	0.1	2.7	3.0	4.6	11.9	76.9
1972.....	100.0	23.1	0.1	0.7	0.1	2.5	3.0	5.2	11.4	76.9
1973.....	100.0	23.5	0.1	0.6	0.1	2.4	3.4	5.6	11.1	76.5
1974.....	100.0	24.2	0.2	0.7	0.2	2.3	4.0	6.2	10.7	75.8
1975.....	100.0	24.3	0.2	0.7	0.2	2.0	4.6	6.4	10.2	75.7
1976.....	100.0	24.4	0.3	0.8	0.2	1.8	5.1	6.4	9.8	75.6
1977.....	100.0	24.5	0.5	0.8	0.3	1.7	5.4	6.3	9.5	75.5
1978.....	100.0	24.5	0.8	0.8	0.3	1.6	5.5	6.0	9.4	75.5
1979.....	100.0	24.4	1.1	0.9	0.3	1.6	5.5	5.9	9.2	75.6
1980.....	100.0	24.5	1.3	0.9	0.3	1.8	5.4	5.8	9.0	75.5
1981.....	100.0	24.5	1.5	0.9	0.4	2.1	5.2	5.7	8.8	75.5
1982.....	100.0	25.0	1.7	0.9	0.4	2.5	5.0	5.7	8.7	75.0
1983.....	100.0	24.8	1.9	0.9	0.4	2.9	4.9	5.5	8.2	75.2
1984.....	100.0	25.0	2.1	0.9	0.4	3.6	4.7	5.5	7.8	75.0
1985.....	100.0	25.6	2.2	1.0	0.4	4.3	4.6	5.4	7.7	74.4
1986.....	100.0	25.6	2.2	0.9	0.3	4.5	4.5	5.5	7.7	74.4
1987.....	100.0	25.4	2.2	0.9	0.2	4.2	4.3	5.7	7.8	74.6
1988.....	100.0	24.9	2.1	0.9	0.2	3.6	4.3	6.1	8.0	75.1
1989.....	100.0	24.6	1.9	0.8	0.1	3.1	4.0	6.4	8.3	75.4
1990.....	100.0	24.7	1.8	0.8	0.1	2.7	4.0	6.8	8.6	75.3
1991.....	100.0	24.8	1.6	0.7	0.1	2.4	4.0	7.1	8.8	75.2
1992.....	100.0	25.5	1.5	0.7	0.2	2.3	4.3	7.5	9.0	74.5
1993.....	100.0	25.8	1.6	0.7	0.2	2.2	4.5	7.7	9.0	74.2
1994.....	100.0	26.5	1.6	0.8	0.2	2.1	4.9	7.9	8.9	73.5
1995.....	100.0	27.3	1.7	0.8	0.2	2.1	5.5	8.2	8.7	72.7

See explanatory information and SOURCES at end of table.

**Appendix table 3-2. Bachelor's degrees awarded to women, by major field group: 1966-1995**

[Women as a percentage of all bachelor's recipients]

Page 3 of 3

Year	All fields	Science and engineering fields								All other fields
		Total	Engineering	Physical sciences	Earth, atmospheric, and ocean sciences	Mathematical/computer sciences	Biological/agricultural	Psychology	Social sciences	
1966.....	42.6	24.8	0.4	14.0	9.4	33.2	25.0	40.8	34.3	52.2
1967.....	42.3	25.4	0.5	13.9	10.2	34.1	24.5	40.0	34.7	51.7
1968.....	43.5	27.1	0.6	14.3	10.0	36.7	24.8	42.3	35.8	52.6
1969.....	43.8	27.8	0.8	14.3	10.0	36.6	24.4	43.1	36.5	52.6
1970.....	43.2	28.0	0.8	14.5	10.2	36.1	24.1	43.6	36.6	51.5
1971.....	43.5	28.9	0.8	14.7	10.8	36.0	24.1	44.7	37.6	51.2
1972.....	43.7	29.4	1.1	15.8	12.2	35.9	24.4	46.4	37.0	51.1
1973.....	43.9	29.9	1.2	15.8	12.2	36.3	25.2	47.8	37.0	51.3
1974.....	44.4	31.4	1.6	16.8	15.9	36.6	27.0	50.5	37.6	51.1
1975.....	45.4	32.8	2.1	18.8	17.0	37.0	29.2	52.7	38.5	51.8
1976.....	45.6	33.6	3.4	19.5	18.3	35.3	31.2	54.4	38.8	51.5
1977.....	46.2	34.6	4.9	19.9	20.8	36.1	32.9	56.7	40.3	51.9
1978.....	47.2	35.5	7.4	21.5	21.6	35.7	35.2	58.9	41.6	52.9
1979.....	48.3	36.3	9.1	22.6	22.8	35.9	37.1	61.3	42.9	54.1
1980.....	49.2	37.2	10.1	24.0	23.8	36.4	39.1	63.3	44.8	54.9
1981.....	49.9	37.8	11.1	24.7	24.9	36.9	41.1	65.1	45.4	55.7
1982.....	50.5	38.5	12.3	26.2	25.6	37.9	42.3	66.9	46.2	56.3
1983.....	50.7	38.8	13.3	28.5	25.3	38.9	43.8	67.6	46.3	56.4
1984.....	50.7	38.6	14.1	29.4	24.4	39.3	44.4	67.9	45.6	56.6
1985.....	50.9	38.8	14.5	29.7	24.6	39.5	45.1	68.2	45.8	57.0
1986.....	51.0	39.0	14.5	29.8	22.3	38.8	45.5	69.0	45.6	57.1
1987.....	51.7	39.7	15.3	30.2	22.6	38.2	46.1	69.0	45.8	57.6
1988.....	52.2	40.6	15.4	32.1	23.8	36.9	47.7	70.1	45.8	57.6
1989.....	52.7	41.3	15.2	30.9	25.2	35.9	47.6	70.8	46.2	57.8
1990.....	53.3	42.5	15.4	32.2	27.9	35.8	48.2	71.5	46.3	58.1
1991.....	54.1	43.9	15.5	32.4	28.7	36.1	48.7	72.6	47.2	58.5
1992.....	54.3	44.9	15.6	33.1	32.0	35.6	49.3	73.2	47.8	58.5
1993.....	54.4	45.3	15.9	33.6	30.0	35.4	48.9	73.2	48.2	58.5
1994.....	54.6	45.8	16.5	34.6	31.1	35.2	48.9	73.1	49.0	58.7
1995.....	54.8	46.5	17.3	35.5	34.0	35.1	49.7	73.0	49.8	58.7

NOTE: For the years 1966-1970, the science and engineering total includes degrees granted for "other" science; these degrees are not included in any of the specific categories. These degrees constitute less than 2 percent of the total.

SOURCES: Tabulations by National Science Foundation/SRS; data from National Center for Education Statistics: Survey of Degrees and Other Formal Awards Conferred, and Completions Survey.

**Appendix table 3-3. Bachelor's degrees awarded to men, by major field group: 1967-1995**

Page 1 of 2

Year	All fields	Science and engineering fields								All other fields
		Total	Engineering	Physical sciences	Earth, atmospheric, and ocean sciences	Mathematical/computer sciences	Biological/agricultural	Psychology	Social sciences	
1967.....	324,236	149,045	36,013	13,642	1,739	14,196	24,541	11,657	47,257	175,191
1968.....	359,747	165,200	37,464	14,602	2,105	15,243	27,175	13,791	54,820	194,547
1969.....	412,865	189,272	41,270	15,962	2,633	17,915	31,190	16,758	63,544	223,593
1970.....	453,605	204,528	44,433	15,547	3,008	18,593	33,747	19,067	70,133	249,077
1971.....	478,423	209,318	44,887	15,317	3,179	17,488	34,712	21,117	72,618	269,105
1972.....	503,631	216,422	45,219	14,161	3,560	17,466	36,514	23,267	76,235	287,209
1973.....	521,534	225,090	46,203	13,826	3,842	17,543	40,908	25,110	77,658	296,444
1974.....	530,907	223,652	42,550	13,686	4,055	16,851	45,174	25,849	75,487	307,255
1975.....	508,424	210,741	38,979	12,990	4,050	14,729	46,937	24,333	68,723	297,683
1976.....	508,549	205,570	37,473	13,280	4,124	14,071	48,168	22,987	65,467	302,979
1977.....	499,121	198,805	39,313	13,560	4,479	13,241	47,339	20,692	60,181	300,316
1978.....	491,066	195,888	43,769	13,453	4,709	12,815	44,852	18,517	57,773	295,178
1979.....	481,394	193,247	48,588	13,358	4,695	13,249	41,994	16,649	54,714	288,147
1980.....	477,750	191,215	52,858	13,285	4,693	14,439	38,931	15,590	51,419	286,535
1981.....	474,336	190,977	56,654	13,137	5,028	16,672	35,265	14,447	49,774	283,359
1982.....	477,543	193,624	59,185	12,737	5,254	19,966	33,222	13,756	49,504	283,919
1983.....	483,395	194,380	63,018	11,586	5,450	22,802	31,132	13,228	47,164	289,015
1984.....	486,750	199,150	65,424	11,175	5,991	27,893	29,108	12,949	46,610	287,600
1985.....	486,660	203,402	66,326	11,434	5,715	32,985	28,172	12,815	45,955	283,258
1986.....	490,143	204,743	65,682	11,088	4,722	35,920	27,488	12,691	47,152	285,400
1987.....	485,003	199,981	63,021	10,792	3,629	34,871	26,168	13,399	48,101	285,022
1988.....	481,236	191,549	59,375	9,673	2,707	32,112	24,550	13,584	49,548	289,687
1989.....	487,566	189,338	56,759	9,777	2,380	29,682	23,852	14,291	52,597	298,228
1990.....	495,867	189,082	54,732	9,106	2,001	27,184	24,050	15,399	56,610	306,785
1991.....	508,952	189,328	52,522	9,253	1,946	25,700	25,007	16,155	58,745	319,624
1992.....	525,395	195,779	52,305	9,289	2,177	25,693	27,473	17,130	61,712	329,616
1993.....	537,536	200,315	52,724	9,424	2,453	25,483	30,439	18,029	61,763	337,221
1994.....	537,061	202,284	52,609	9,588	2,665	25,397	33,347	18,749	59,929	334,777
1995.....	531,146	202,217	52,421	9,605	2,954	25,066	35,915	19,638	56,618	328,929

See explanatory information and SOURCES at end of table.

**Appendix table 3-3. Bachelor's degrees awarded to men, by major field group: 1966-1995**

[Percent distribution]

Page 2 of 2

Year	All fields	Science and engineering fields								All other fields
		Total	Engineering	Physical sciences	Earth, atmospheric, and ocean sciences	Mathematical/computer sciences	Biological/agricultural	Psychology	Social sciences	
1966.....	100.0	46.1	11.9	4.4	0.5	4.5	7.4	3.3	14.1	53.9
1967.....	100.0	46.0	11.1	4.2	0.5	4.4	7.6	3.6	14.6	54.0
1968.....	100.0	45.9	10.4	4.1	0.6	4.2	7.6	3.8	15.2	54.1
1969.....	100.0	45.8	10.0	3.9	0.6	4.3	7.6	4.1	15.4	54.2
1970.....	100.0	45.1	9.8	3.4	0.7	4.1	7.4	4.2	15.5	54.9
1971.....	100.0	43.8	9.4	3.2	0.7	3.7	7.3	4.4	15.2	56.2
1972.....	100.0	43.0	9.0	2.8	0.7	3.5	7.3	4.6	15.1	57.0
1973.....	100.0	43.2	8.9	2.7	0.7	3.4	7.8	4.8	14.9	56.8
1974.....	100.0	42.1	8.0	2.6	0.8	3.2	8.5	4.9	14.2	57.9
1975.....	100.0	41.4	7.7	2.6	0.8	2.9	9.2	4.8	13.5	58.6
1976.....	100.0	40.4	7.4	2.6	0.8	2.8	9.5	4.5	12.9	59.6
1977.....	100.0	39.8	7.9	2.7	0.9	2.7	9.5	4.1	12.1	60.2
1978.....	100.0	39.9	8.9	2.7	1.0	2.6	9.1	3.8	11.8	60.1
1979.....	100.0	40.1	10.1	2.8	1.0	2.8	8.7	3.5	11.4	59.9
1980.....	100.0	40.0	11.1	2.8	1.0	3.0	8.1	3.3	10.8	60.0
1981.....	100.0	40.3	11.9	2.8	1.1	3.5	7.4	3.0	10.5	59.7
1982.....	100.0	40.5	12.4	2.7	1.1	4.2	7.0	2.9	10.4	59.5
1983.....	100.0	40.2	13.0	2.4	1.1	4.7	6.4	2.7	9.8	59.8
1984.....	100.0	40.9	13.4	2.3	1.2	5.7	6.0	2.7	9.6	59.1
1985.....	100.0	41.8	13.6	2.3	1.2	6.8	5.8	2.6	9.4	58.2
1986.....	100.0	41.8	13.4	2.3	1.0	7.3	5.6	2.6	9.6	58.2
1987.....	100.0	41.2	13.0	2.2	0.7	7.2	5.4	2.8	9.9	58.8
1988.....	100.0	39.8	12.3	2.0	0.6	6.7	5.1	2.8	10.3	60.2
1989.....	100.0	38.8	11.6	2.0	0.5	6.1	4.9	2.9	10.8	61.2
1990.....	100.0	38.1	11.0	1.8	0.4	5.5	4.9	3.1	11.4	61.9
1991.....	100.0	37.2	10.3	1.8	0.4	5.0	4.9	3.2	11.5	62.8
1992.....	100.0	37.3	10.0	1.8	0.4	4.9	5.2	3.3	11.7	62.7
1993.....	100.0	37.3	9.8	1.8	0.5	4.7	5.7	3.4	11.5	62.7
1994.....	100.0	37.7	9.8	1.8	0.5	4.7	6.2	3.5	11.2	62.3
1995.....	100.0	38.1	9.9	1.8	0.6	4.7	6.8	3.7	10.7	61.9

NOTES: For the years 1966-1970 the science and engineering total includes degrees granted for "other" science; these degrees are not included in any of the specific categories. These degrees constitute less than 2 percent of the total. Because of rounding, details may not sum to totals.

SOURCES: Tabulations by National Science Foundation/SRS; data from National Center for Education Statistics: Survey of Degrees and Other Formal Awards Conferred, and Completions Survey.

**Appendix table 3-4. Number of earned bachelor's degrees, by field and by race/ethnicity of male recipients:  
1989–1995**

Page 1 of 5

Field	1989	1990	1991	1992	1993	1994	1995
Total, all recipients							
Total science and engineering.....	198,728	199,916	201,499	209,270	214,388	216,492	216,078
Engineering.....	56,759	54,730	52,522	52,270	52,696	52,569	52,389
Sciences.....	141,969	145,186	148,977	157,000	161,692	163,923	163,689
Natural sciences.....	65,875	62,518	62,091	64,678	67,855	70,956	73,593
Physical science <sup>1</sup> .....	12,157	11,109	11,199	11,466	11,877	12,253	12,559
Mathematical science.....	8,264	7,863	7,804	7,923	7,859	7,754	7,318
Computer science.....	21,418	19,321	17,896	17,670	17,565	17,466	17,628
Biological science.....	18,295	18,631	19,715	21,107	23,111	25,314	26,956
Agricultural science.....	5,741	5,594	5,477	6,512	7,443	8,169	9,132
Social sciences.....	76,094	82,668	86,886	92,322	93,837	92,967	90,096
Social science.....	61,803	67,269	70,731	75,185	75,808	74,218	70,458
Psychology.....	14,291	15,399	16,155	17,137	18,029	18,749	19,638
Non-S&E <sup>2</sup> .....	288,838	295,951	307,453	316,125	323,148	320,569	315,068
Grand total.....	487,566	495,867	508,952	525,395	537,536	537,061	531,146
U.S. citizens and permanent residents, total <sup>3</sup>							
Total science and engineering.....	189,685	190,980	192,516	200,929	204,994	207,030	206,144
Engineering.....	52,160	50,303	48,410	48,518	48,655	48,577	48,145
Sciences.....	137,525	140,677	144,106	152,411	156,339	158,453	157,999
Natural sciences.....	62,973	59,662	59,096	61,872	64,584	67,726	70,302
Physical science <sup>1</sup> .....	11,751	10,694	10,788	11,049	11,352	11,786	12,086
Mathematical science.....	7,917	7,539	7,430	7,565	7,514	7,390	6,960
Computer science.....	19,901	17,849	16,433	16,251	15,964	15,799	15,960
Biological science.....	17,869	18,200	19,171	20,628	22,542	24,739	26,334
Agricultural science.....	5,535	5,380	5,274	6,379	7,212	8,012	8,962
Social sciences.....	74,552	81,015	85,010	90,539	91,755	90,727	87,697
Social science.....	60,431	65,776	69,033	73,577	73,946	72,185	68,291
Psychology.....	14,121	15,239	15,977	16,962	17,809	18,542	19,406
Non-S&E <sup>2</sup> .....	280,764	287,979	298,209	307,360	313,490	310,288	303,886
Grand total.....	470,449	478,959	490,725	508,289	518,484	517,318	510,030

See explanatory information and SOURCES at end of table.

**Appendix table 3-4. Number of earned bachelor's degrees, by field and by race/ethnicity of male recipients:  
1989–1995**

Page 2 of 5

Field	1989	1990	1991	1992	1993	1994	1995
White, non-Hispanics							
Total science and engineering.....	158,590	157,675	158,687	164,220	166,063	165,245	161,731
Engineering.....	42,779	40,533	38,692	38,513	38,244	37,830	36,785
Sciences.....	115,811	117,142	119,995	125,707	127,819	127,415	124,946
Natural sciences.....	52,132	48,848	48,304	50,126	52,048	54,115	55,197
Physical science <sup>1</sup> .....	10,173	9,179	9,203	9,430	9,614	9,958	10,006
Mathematical science.....	6,598	6,253	6,119	6,255	6,131	5,920	5,456
Computer science.....	15,799	13,974	12,916	12,571	12,329	12,022	11,793
Biological science.....	14,377	14,488	15,174	16,030	17,293	18,882	19,790
Agricultural science.....	5,185	4,954	4,892	5,840	6,681	7,333	8,152
Social sciences.....	63,679	68,294	71,691	75,581	75,771	73,300	69,749
Social science.....	51,766	55,662	58,414	61,574	61,269	58,409	54,508
Psychology.....	11,913	12,632	13,277	14,007	14,502	14,891	15,241
Non-S&E <sup>2</sup> .....	239,962	243,349	252,058	258,297	261,177	254,966	245,424
Grand total.....	398,552	401,024	410,745	422,517	427,240	420,211	407,155
Asians							
Total science and engineering.....	11,578	11,528	11,942	13,198	14,132	14,967	16,039
Engineering.....	4,936	4,827	4,969	5,067	5,130	5,235	5,340
Sciences.....	6,642	6,701	6,973	8,131	9,002	9,732	10,699
Natural sciences.....	4,073	4,054	4,149	4,783	5,380	5,721	6,483
Physical science <sup>1</sup> .....	626	592	606	615	675	648	784
Mathematical science.....	527	491	482	486	502	523	519
Computer science.....	1,420	1,335	1,268	1,373	1,492	1,476	1,583
Biological science.....	1,442	1,573	1,736	2,230	2,633	2,992	3,467
Agricultural science.....	58	63	57	79	78	82	130
Social sciences.....	2,569	2,647	2,824	3,348	3,622	4,011	4,216
Social science.....	2,065	2,156	2,260	2,728	2,884	3,204	3,247
Psychology.....	504	491	564	620	738	807	969
Non-S&E <sup>2</sup> .....	7,625	7,569	8,831	9,992	10,687	11,453	12,309
Grand total.....	19,203	19,097	20,773	23,190	24,819	26,420	28,348

See explanatory information and SOURCES at end of table.

**Appendix table 3-4. Number of earned bachelor's degrees, by field and by race/ethnicity of male recipients:  
1989–1995**

Page 3 of 5

Field	1989	1990	1991	1992	1993	1994	1995
Underrepresented minorities, total							
Total science and engineering.....	15,672	15,954	17,027	18,890	20,160	22,001	23,235
Engineering.....	3,638	3,574	3,654	3,952	4,261	4,458	4,917
Sciences.....	12,034	12,380	13,373	14,938	15,899	17,543	18,318
Natural sciences.....	5,411	5,043	5,226	5,450	5,766	6,389	6,888
Physical science <sup>1</sup> .....	771	655	755	745	792	931	998
Mathematical science.....	636	614	657	675	744	786	820
Computer science.....	2,013	1,797	1,758	1,864	1,802	1,939	2,190
Biological science.....	1,734	1,685	1,799	1,885	2,130	2,337	2,449
Agricultural science.....	257	292	257	281	298	396	431
Social sciences.....	6,623	7,337	8,147	9,488	10,133	11,154	11,430
Social science.....	5,286	5,788	6,442	7,590	8,013	8,813	8,742
Psychology.....	1,337	1,549	1,705	1,898	2,120	2,341	2,688
Non-S&E <sup>2</sup> .....	25,978	27,093	29,887	31,805	34,440	36,527	38,307
Grand total.....	41,650	43,047	46,914	50,695	54,600	58,528	61,542
Black, non-Hispanics							
Total science and engineering.....	7,685	7,830	8,448	9,375	10,099	10,806	11,127
Engineering.....	1,397	1,416	1,484	1,614	1,764	1,784	1,846
Sciences.....	6,288	6,414	6,964	7,761	8,335	9,022	9,281
Natural sciences.....	2,732	2,476	2,538	2,709	2,872	3,146	3,314
Physical science <sup>1</sup> .....	365	292	391	381	370	464	495
Mathematical science.....	374	342	380	374	444	457	476
Computer science.....	1,205	1,074	971	1,092	1,049	1,161	1,241
Biological science.....	700	658	696	749	883	927	981
Agricultural science.....	88	110	100	113	126	137	121
Social sciences.....	3,556	3,938	4,426	5,052	5,463	5,876	5,967
Social science.....	2,911	3,144	3,547	4,070	4,364	4,644	4,565
Psychology.....	645	794	879	982	1,099	1,232	1,402
Non-S&E <sup>2</sup> .....	14,228	14,760	15,790	17,143	18,275	19,300	19,871
Grand total.....	21,913	22,590	24,238	26,518	28,374	30,106	30,998

See explanatory information and SOURCES at end of table.

**Appendix table 3-4. Number of earned bachelor's degrees, by field and by race/ethnicity of male recipients:  
1989-1995**

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Field	1989	1990	1991	1992	1993	1994	1995
Hispanics							
Total science and engineering.....	7,318	7,434	7,888	8,730	9,160	10,190	11,031
Engineering.....	2,100	2,035	2,039	2,187	2,355	2,495	2,895
Sciences.....	5,218	5,399	5,849	6,543	6,805	7,695	8,136
Natural sciences.....	2,432	2,328	2,458	2,497	2,608	2,925	3,196
Physical science <sup>1</sup> .....	362	311	318	326	361	415	437
Mathematical science.....	224	249	259	279	273	300	315
Computer science.....	750	669	738	724	700	719	876
Biological science.....	965	955	1,019	1,043	1,144	1,298	1,340
Agricultural science.....	131	144	124	125	130	193	228
Social sciences.....	2,786	3,071	3,391	4,046	4,197	4,770	4,940
Social science.....	2,153	2,384	2,634	3,220	3,269	3,774	3,774
Psychology.....	633	687	757	826	928	996	1,166
Non-S&E <sup>2</sup> .....	10,684	11,249	12,893	13,296	14,665	15,670	16,844
Grand total.....	18,002	18,683	20,781	22,026	23,825	25,860	27,875
American Indians or Alaskan Natives							
Total science and engineering.....	669	690	691	785	901	1,005	1,077
Engineering.....	141	123	131	151	142	179	176
Sciences.....	528	567	560	634	759	826	901
Natural sciences.....	247	239	230	244	286	318	378
Physical science <sup>1</sup> .....	44	52	46	38	61	52	66
Mathematical science.....	38	23	18	22	27	29	29
Computer science.....	58	54	49	48	53	59	73
Biological science.....	69	72	84	93	103	112	128
Agricultural science.....	38	38	33	43	42	66	82
Social sciences.....	281	328	330	390	473	508	523
Social science.....	222	260	261	300	380	395	403
Psychology.....	59	68	69	90	93	113	120
Non-S&E <sup>2</sup> .....	1,066	1,084	1,204	1,366	1,500	1,557	1,592
Grand total.....	1,735	1,774	1,895	2,151	2,401	2,562	2,669

See explanatory information and SOURCES at end of table.

**Appendix table 3-4. Number of earned bachelor's degrees, by field and by race/ethnicity of male recipients:  
1989–1995**

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Field	1989	1990	1991	1992	1993	1994	1995
U.S. citizens and permanent residents, unknown race/ethnicity							
Total science and engineering.....	3,845	5,823	4,860	4,621	4,639	4,817	5,139
Engineering.....	807	1,369	1,095	986	1,020	1,054	1,103
Sciences.....	3,038	4,454	3,765	3,635	3,619	3,763	4,036
Natural sciences.....	1,357	1,717	1,417	1,513	1,390	1,501	1,734
Physical science <sup>1</sup> .....	181	268	224	259	271	249	298
Mathematical science.....	156	181	172	149	137	161	165
Computer science.....	669	743	491	443	341	362	394
Biological science.....	316	454	462	483	486	528	628
Agricultural science.....	35	71	68	179	155	201	249
Social sciences.....	1,681	2,737	2,348	2,122	2,229	2,262	2,302
Social science.....	1,314	2,170	1,917	1,685	1,780	1,759	1,794
Psychology.....	367	567	431	437	449	503	508
Non-S&E <sup>2</sup> .....	7,199	9,968	7,433	7,266	7,186	7,342	7,846
Grand total.....	11,044	15,791	12,293	11,887	11,825	12,159	12,985
Nonresident aliens <sup>4</sup>							
Total science and engineering.....	9,043	8,936	8,983	8,341	9,394	9,462	9,934
Engineering.....	4,599	4,427	4,112	3,752	4,041	3,992	4,244
Sciences.....	4,444	4,509	4,871	4,589	5,353	5,470	5,690
Natural sciences.....	2,902	2,856	2,995	2,806	3,271	3,230	3,291
Physical science <sup>1</sup> .....	406	415	411	417	525	467	473
Mathematical science.....	347	324	374	358	345	364	358
Computer science.....	1,517	1,472	1,463	1,419	1,601	1,667	1,668
Biological science.....	426	431	544	479	569	575	622
Agricultural science.....	206	214	203	133	231	157	170
Social sciences.....	1,542	1,653	1,876	1,783	2,082	2,240	2,399
Social science.....	1,372	1,493	1,698	1,608	1,862	2,033	2,167
Psychology.....	170	160	178	175	220	207	232
Non-S&E <sup>2</sup> .....	8,074	7,972	9,244	8,765	9,658	10,281	11,182
Grand total.....	17,117	16,908	18,227	17,106	19,052	19,743	21,116

<sup>1</sup> In this table, "Physical science" includes earth, atmospheric, and ocean sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

<sup>3</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

<sup>4</sup> Nonresident aliens include foreign citizens on temporary visas only. No racial/ethnic data are collected for this group.

NOTES: Data on race/ethnicity were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

SOURCE: Tabulations by National Science Foundation/SRS; data from National Center for Education Statistics IPEDS Completions Surveys, 1989-95.

**Appendix table 3-5. Number of earned bachelor's degrees, by field and by race/ethnicity of female recipients: 1989-1995**

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Field	1989	1990	1991	1992	1993	1994	1995
Total, all recipients							
Total science and engineering.....	138,703	145,877	155,286	167,663	174,047	178,888	183,731
Engineering.....	10,188	9,973	9,664	9,628	9,974	10,393	10,941
Sciences.....	128,515	135,904	145,622	158,035	164,073	168,495	172,790
Natural sciences.....	43,475	42,716	43,504	46,430	48,887	51,836	55,854
Physical science <sup>1</sup> .....	5,172	5,094	5,208	5,610	5,814	6,272	6,816
Mathematical science.....	7,050	6,811	6,980	6,928	7,011	6,677	6,441
Computer science.....	9,545	8,374	7,514	7,184	6,912	6,992	7,034
Biological science.....	18,654	19,409	20,636	22,728	24,766	26,899	29,848
Agricultural science.....	3,054	3,028	3,166	3,980	4,384	4,996	5,715
Social sciences.....	85,040	93,188	102,118	111,605	115,186	116,659	116,936
Social science.....	50,377	54,569	59,380	64,699	65,964	65,640	63,973
Psychology.....	34,663	38,619	42,738	46,906	49,222	51,019	52,963
Non-S&E <sup>2</sup> .....	403,902	420,407	443,759	457,014	467,695	467,192	459,559
Grand total.....	542,605	566,284	599,045	624,677	641,742	646,080	643,290
U.S. citizens and permanent residents, total <sup>3</sup>							
Total science and engineering.....	135,423	142,495	151,545	163,766	169,639	174,421	178,911
Engineering.....	9,715	9,483	9,194	9,157	9,510	9,845	10,375
Sciences.....	125,708	133,012	142,351	154,609	160,129	164,576	168,536
Natural sciences.....	41,955	41,246	41,943	44,867	47,072	50,117	53,995
Physical science <sup>1</sup> .....	4,973	4,914	5,011	5,420	5,575	6,026	6,566
Mathematical science.....	6,854	6,611	6,776	6,694	6,804	6,479	6,206
Computer science.....	8,927	7,780	6,940	6,629	6,309	6,386	6,407
Biological science.....	18,207	18,973	20,117	22,214	24,118	26,319	29,189
Agricultural science.....	2,994	2,968	3,099	3,910	4,266	4,907	5,627
Social sciences.....	83,753	91,766	100,408	109,742	113,057	114,459	114,541
Social science.....	49,431	53,512	58,183	63,325	64,445	64,088	62,288
Psychology.....	34,322	38,254	42,225	46,417	48,612	50,371	52,253
Non-S&E <sup>2</sup> .....	397,842	414,144	436,070	449,470	458,784	457,175	448,483
Grand total.....	533,265	556,639	587,615	613,236	628,423	631,596	627,394

See explanatory information and SOURCES at end of table.

**Appendix table 3-5. Number of earned bachelor's degrees, by field and by race/ethnicity of female recipients: 1989-1995**

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Field	1989	1990	1991	1992	1993	1994	1995
White, non-Hispanics							
Total science and engineering.....	108,272	112,550	119,503	128,394	131,108	132,371	133,042
Engineering.....	7,302	6,961	6,470	6,513	6,609	6,857	6,941
Sciences.....	100,970	105,589	113,033	121,881	124,499	125,514	126,101
Natural sciences.....	32,446	31,362	31,807	34,007	35,353	37,081	39,378
Physical science <sup>1</sup> .....	4,065	3,876	3,942	4,248	4,327	4,658	4,946
Mathematical science.....	5,689	5,512	5,530	5,468	5,538	5,169	4,887
Computer science.....	5,912	4,944	4,433	4,273	3,826	3,794	3,739
Biological science.....	14,027	14,326	15,090	16,476	17,787	19,060	20,838
Agricultural science.....	2,753	2,704	2,812	3,542	3,875	4,400	4,968
Social sciences.....	68,524	74,227	81,226	87,874	89,146	88,433	86,723
Social science.....	39,931	42,723	46,369	49,815	49,885	48,454	46,050
Psychology.....	28,593	31,504	34,857	38,059	39,261	39,979	40,673
Non-S&E <sup>2</sup> .....	333,502	343,112	362,115	370,542	373,255	365,542	352,588
Grand total.....	441,774	455,662	481,618	498,936	504,363	497,913	485,630
Asians							
Total science and engineering.....	7,560	7,909	8,610	9,437	10,372	11,453	13,089
Engineering.....	1,139	1,185	1,251	1,198	1,277	1,281	1,445
Sciences.....	6,421	6,724	7,359	8,239	9,095	10,172	11,644
Natural sciences.....	3,187	3,272	3,446	3,713	4,144	4,680	5,524
Physical science <sup>1</sup> .....	296	345	377	386	423	448	563
Mathematical science.....	492	383	433	371	413	403	446
Computer science.....	848	809	742	709	753	771	782
Biological science.....	1,465	1,672	1,823	2,172	2,470	2,967	3,576
Agricultural science.....	86	63	71	75	85	91	157
Social sciences.....	3,234	3,452	3,913	4,526	4,951	5,492	6,120
Social science.....	2,163	2,313	2,592	2,996	3,151	3,522	3,758
Psychology.....	1,071	1,139	1,321	1,530	1,800	1,970	2,362
Non-S&E <sup>2</sup> .....	10,810	11,021	12,342	13,989	15,396	16,802	17,858
Grand total.....	18,370	18,930	20,952	23,426	25,768	28,255	30,947

See explanatory information and SOURCES at end of table.

**Appendix table 3-5. Number of earned bachelor's degrees, by field and by race/ethnicity of female recipients: 1989-1995**

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Field	1989	1990	1991	1992	1993	1994	1995
Underrepresented minorities, total							
Total science and engineering.....	16,278	17,465	19,655	22,493	24,522	26,821	28,609
Engineering.....	1,167	1,155	1,299	1,325	1,453	1,562	1,800
Sciences.....	15,111	16,310	18,356	21,168	23,069	25,259	26,809
Natural sciences.....	5,419	5,487	5,734	6,272	6,744	7,393	7,927
Physical science <sup>1</sup> .....	551	590	600	680	736	806	934
Mathematical science.....	582	564	677	757	746	808	769
Computer science.....	1,729	1,619	1,534	1,478	1,588	1,672	1,725
Biological science.....	2,417	2,558	2,752	3,158	3,472	3,790	4,157
Agricultural science.....	140	156	171	199	202	317	342
Social sciences.....	9,692	10,823	12,622	14,896	16,325	17,866	18,882
Social science.....	5,926	6,606	7,658	9,057	9,905	10,587	10,879
Psychology.....	3,766	4,217	4,964	5,839	6,420	7,279	8,003
Non-S&E <sup>2</sup> .....	44,237	46,865	51,953	56,260	60,964	65,714	68,281
Grand total.....	60,515	64,330	71,608	78,753	85,486	92,535	96,890
Black, non-Hispanics							
Total science and engineering.....	9,700	10,400	11,539	13,056	14,322	15,483	16,401
Engineering.....	670	656	745	748	813	875	999
Sciences.....	9,030	9,744	10,794	12,308	13,509	14,608	15,402
Natural sciences.....	3,273	3,306	3,296	3,692	4,100	4,413	4,707
Physical science <sup>1</sup> .....	332	358	362	435	466	457	539
Mathematical science.....	418	378	431	530	521	535	519
Computer science.....	1,252	1,173	1,026	998	1,164	1,237	1,257
Biological science.....	1,216	1,336	1,415	1,636	1,856	2,053	2,250
Agricultural science.....	55	61	62	93	93	131	142
Social sciences.....	5,757	6,438	7,498	8,616	9,409	10,195	10,695
Social science.....	3,659	4,082	4,689	5,419	5,890	6,191	6,356
Psychology.....	2,098	2,356	2,809	3,197	3,519	4,004	4,339
Non-S&E <sup>2</sup> .....	25,224	26,311	29,232	31,737	33,971	36,727	37,888
Grand total.....	34,924	36,711	40,771	44,793	48,293	52,210	54,289

See explanatory information and SOURCES at end of table.

**Appendix table 3-5. Number of earned bachelor's degrees, by field and by race/ethnicity of female recipients: 1989-1995**

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Field	1989	1990	1991	1992	1993	1994	1995
Hispanics							
Total science and engineering.....	6,009	6,484	7,463	8,661	9,282	10,339	11,159
Engineering.....	461	476	527	546	606	648	756
Sciences.....	5,548	6,008	6,936	8,115	8,676	9,691	10,403
Natural sciences.....	1,985	2,029	2,247	2,395	2,426	2,723	2,923
Physical science <sup>1</sup> .....	201	211	215	220	238	318	363
Mathematical science.....	149	164	221	203	197	243	221
Computer science.....	445	416	477	449	396	416	431
Biological science.....	1,125	1,164	1,245	1,434	1,508	1,603	1,750
Agricultural science.....	65	74	89	89	87	143	158
Social sciences.....	3,563	3,979	4,689	5,720	6,250	6,968	7,480
Social science.....	2,044	2,261	2,700	3,299	3,591	3,974	4,103
Psychology.....	1,519	1,718	1,989	2,421	2,659	2,994	3,377
Non-S&E <sup>2</sup> .....	17,350	18,697	20,783	22,320	24,738	26,484	27,657
Grand total.....	23,359	25,181	28,246	30,981	34,020	36,823	38,816
American Indians and Alaskan Natives							
Total science and engineering.....	569	581	653	776	918	999	1,049
Engineering.....	36	23	27	31	34	39	45
Sciences.....	533	558	626	745	884	960	1,004
Natural sciences.....	161	152	191	185	218	257	297
Physical science <sup>1</sup> .....	18	21	23	25	32	31	32
Mathematical science.....	15	22	25	24	28	30	29
Computer science.....	32	30	31	31	28	19	37
Biological science.....	76	58	92	88	108	134	157
Agricultural science.....	20	21	20	17	22	43	42
Social sciences.....	372	406	435	560	666	703	707
Social science.....	223	263	269	339	424	422	420
Psychology.....	149	143	166	221	242	281	287
Non-S&E <sup>2</sup> .....	1,663	1,857	1,938	2,203	2,255	2,503	2,736
Grand total.....	2,232	2,438	2,591	2,979	3,173	3,502	3,785

See explanatory information and SOURCES at end of table.

**Appendix table 3-5. Number of earned bachelor's degrees, by field and by race/ethnicity of female recipients: 1989-1995**

Page 5 of 5

Field	1989	1990	1991	1992	1993	1994	1995
U.S. citizens and permanent residents, unknown race/ethnicity							
Total science and engineering.....	3,313	4,571	3,777	3,442	3,637	3,776	4,171
Engineering.....	107	182	174	121	171	145	189
Sciences.....	3,206	4,389	3,603	3,321	3,466	3,631	3,982
Natural sciences.....	903	1,125	956	875	831	963	1,166
Physical science <sup>1</sup> .....	61	103	92	106	89	114	123
Mathematical science.....	91	152	136	98	107	99	104
Computer science.....	438	408	231	169	142	149	161
Biological science.....	298	417	452	408	389	502	618
Agricultural science.....	15	45	45	94	104	99	160
Social sciences.....	2,303	3,264	2,647	2,446	2,635	2,668	2,816
Social science.....	1,411	1,870	1,564	1,457	1,504	1,525	1,601
Psychology.....	892	1,394	1,083	989	1,131	1,143	1,215
Non-S&E <sup>2</sup> .....	9,293	13,146	9,660	8,679	9,169	9,117	9,756
<b>Grand total.....</b>	<b>12,606</b>	<b>17,717</b>	<b>13,437</b>	<b>12,121</b>	<b>12,806</b>	<b>12,893</b>	<b>13,927</b>
Nonresident aliens <sup>4</sup>							
Total science and engineering.....	3,280	3,382	3,741	3,897	4,408	4,467	4,820
Engineering.....	473	490	470	471	464	548	566
Sciences.....	2,807	2,892	3,271	3,426	3,944	3,919	4,254
Natural sciences.....	1,520	1,470	1,561	1,563	1,815	1,719	1,859
Physical science <sup>1</sup> .....	199	180	197	190	239	246	250
Mathematical science.....	196	200	204	234	207	198	235
Computer science.....	618	594	574	555	603	606	627
Biological science.....	447	436	519	514	648	580	659
Agricultural science.....	60	60	67	70	118	89	88
Social sciences.....	1,287	1,422	1,710	1,863	2,129	2,200	2,395
Social science.....	946	1,057	1,197	1,374	1,519	1,552	1,685
Psychology.....	341	365	513	489	610	648	710
Non-S&E <sup>2</sup> .....	6,060	6,263	7,689	7,544	8,911	10,017	11,076
<b>Grand total.....</b>	<b>9,340</b>	<b>9,645</b>	<b>11,430</b>	<b>11,441</b>	<b>13,319</b>	<b>14,484</b>	<b>15,896</b>

<sup>1</sup> In this table, "Physical science" includes earth, atmospheric, and ocean sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

<sup>3</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

<sup>4</sup> Nonresident aliens include foreign citizens on temporary visas only. No racial/ethnic data are collected for this group.

NOTES: Data on race/ethnicity were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

SOURCE: Tabulations by National Science Foundation/SRS; data from National Center for Education Statistics IPEDS Completions Surveys, 1989-95.

**Appendix table 3-6. Percentage distribution of persons 18-24 years of age in total population, total undergraduate enrollment, and the index of representation, by race/ethnicity and sex: 1980, 1990-1994<sup>1</sup>**

Page 1 of 1

Race/ethnicity and sex	1980			1990			1991		
	Percent of 18-24 years population	Percent of undergraduate enrollment	Index of representation	Percent of 18-24 years population	Percent of undergraduate enrollment	Index of representation	Percent of 18-24 years population	Percent of undergraduate enrollment	Index of representation
White males	38.90	39.00	100.30	35.72	35.35	98.96	35.49	34.57	97.41
Asian males	0.78	1.25	159.40	1.67	2.12	127.20	1.74	2.30	132.10
Black males	6.19	4.13	66.65	6.65	3.74	56.21	6.72	3.87	57.66
Hispanic males	3.93	2.51	63.80	6.54	3.15	48.19	6.62	3.38	51.10
American Indian males	0.34	0.33	98.79	0.41	0.34	81.42	0.42	0.36	84.21
White females	38.41	42.62	110.94	34.69	42.99	123.93	34.41	42.36	123.07
Asian females	0.77	1.17	152.11	1.57	2.04	129.95	1.66	2.27	136.70
Black females	6.67	5.70	85.44	6.90	5.82	84.35	6.94	6.09	87.69
Hispanic females	3.65	2.84	77.59	5.46	3.98	72.96	5.58	4.30	76.97
American Indian females	0.33	0.42	126.31	0.40	0.47	119.09	0.40	0.50	124.16
Race/ethnicity and sex	1992			1993			1994		
	Percent of 18-24 years population	Percent of undergraduate enrollment	Index of representation	Percent of 18-24 years population	Percent of undergraduate enrollment	Index of representation	Percent of 18-24 years population	Percent of undergraduate enrollment	Index of representation
White males	35.21	33.74	95.83	35.03	33.30	95.07	34.80	32.59	93.64
Asian males	1.84	2.48	134.67	1.92	2.61	135.60	1.98	2.76	139.36
Black males	6.79	3.99	58.77	6.83	4.10	59.96	6.91	4.14	59.99
Hispanic males	6.68	3.65	54.59	6.70	3.82	57.05	6.75	4.04	59.90
American Indian males	0.44	0.37	85.98	0.44	0.39	87.79	0.45	0.40	90.03
White females	34.12	41.76	122.37	33.90	41.21	121.58	33.62	40.73	121.14
Asian females	1.78	2.51	141.15	1.87	2.66	142.33	1.95	2.86	146.54
Black females	7.00	6.33	90.31	7.03	6.49	92.26	7.11	6.72	94.52
Hispanic females	5.72	4.66	81.39	5.85	4.89	83.57	6.00	5.19	86.43
American Indian females	0.42	0.52	124.22	0.42	0.54	126.20	0.43	0.57	131.52

<sup>1</sup>The numbers of cases for the percent distributions are presented in appendix table 3-7. Nonresident aliens were not included in these calculations. The numbers displayed may not be exact due to rounding error.

SOURCES: U.S. Department of Education/NCES Opening Fall Enrollment Survey and U.S. Bureau of the Census, Current Population Reports, tabulations by National Science Foundation/SRS.

*Women, Minorities, and Persons With Disabilities in Science and Engineering: 1998*

**Appendix table 3-7. Number of persons 18-24 years of age in total population and total undergraduate enrollment, by race/ethnicity and sex: 1980, 1990-1994<sup>1</sup>**

Race/ethnicity and sex	1980		1990		1991		Page 1 of 1
	18-24 years population	Undergraduate enrollment	18-24 years population	Undergraduate enrollment	18-24 years population	Undergraduate enrollment	
Total	30,103,000	10,392,825	26,831,000	11,784,320	26,384,000	12,360,130	
White males	11,715,000	4,057,626	9,585,000	4,165,862	9,364,000	4,273,310	
Asian males	236,000	129,876	448,000	250,287	460,000	284,673	
Black males	1,864,000	428,913	1,783,000	440,209	1,772,000	478,648	
Hispanic males	1,184,000	260,800	1,754,000	371,232	1,747,000	418,243	
American Indian males	102,000	34,790	111,000	39,692	112,000	44,186	
White females	11,564,000	4,429,148	9,308,000	5,066,228	9,080,000	5,235,217	
Asian females	232,000	121,837	422,000	240,847	438,000	280,493	
Black females	2,007,000	592,008	1,850,000	685,382	1,832,000	752,604	
Hispanic females	1,100,000	294,657	1,464,000	469,138	1,473,000	531,103	
American Indian females	99,000	43,170	106,000	55,443	106,000	61,653	
	1992		1993		1994		
Race/ethnicity and sex	18-24 years population	Undergraduate enrollment	18-24 years population	Undergraduate enrollment	18-24 years population	Undergraduate enrollment	
Total	25,942,000	12,435,117	25,653,000	12,213,674	25,260,000	12,146,792	
White males	9,134,000	4,195,726	8,986,000	4,067,289	8,791,000	3,958,270	
Asian males	478,000	308,564	493,000	318,289	501,000	335,737	
Black males	1,761,000	496,123	1,752,000	500,194	1,745,000	503,381	
Hispanic males	1,733,000	453,488	1,720,000	467,155	1,704,000	490,827	
American Indian males	113,000	46,572	113,000	47,233	113,000	48,920	
White females	8,852,000	5,192,500	8,696,000	5,033,796	8,493,000	4,947,344	
Asian females	461,000	311,899	479,000	324,604	493,000	347,394	
Black females	1,817,000	786,609	1,804,000	792,427	1,795,000	815,881	
Hispanic females	1,485,000	579,329	1,501,000	597,193	1,516,000	630,102	
American Indian females	108,000	64,307	109,000	65,494	109,000	68,936	

<sup>1</sup>Distributions of U.S. Bureau of the Census' estimate of the 18-24 years of age population of the United States are presented in appendix table 3-8.

SOURCES: U.S. Department of Education/NCES Opening Fall Enrollment Survey and U.S. Bureau of the Census, Current Population Reports, tabulations by National Science Foundation/SRS.

**Appendix table 3-8. U.S. population estimates of persons 18-24, by race/ethnicity, sex, and age: 1980, 1990-1994**  
 [Numbers in thousands]

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Race/ethnicity and sex	1980			1990			1991		
	Total	18-19	20-24	Total	18-19	20-24	Total	18-19	20-24
Total	30,103	8,718	21,385	26,831	7,699	19,132	26,384	6,950	19,434
White males	11,715	3,379	8,336	9,585	2,741	6,844	9,364	2,533	6,831
Asian males	236	66	170	448	128	320	460	123	337
Black males	1,864	578	1,286	1,783	554	1,229	1,772	532	1,240
Hispanic males	1,184	344	840	1,754	479	1,275	1,747	459	1,288
American Indian males	102	32	70	111	34	77	112	33	79
White females	11,564	3,311	8,253	9,308	2,645	6,663	9,080	2,428	6,652
Asian females	232	61	171	422	121	301	438	118	320
Black females	2,007	598	1,409	1,850	555	1,295	1,832	530	1,302
Hispanic females	1,100	319	781	1,464	410	1,054	1,473	163	1,310
American Indian females	99	30	69	106	32	74	106	31	75
1992									
Race/ethnicity and sex	Total	18-19	20-24	Total	18-19	20-24	Total	18-19	20-24
Total	25,942	6,868	19,074	25,653	6,868	18,785	25,260	6,907	18,353
White males	9,134	2,395	6,739	8,986	2,402	6,584	8,791	2,410	6,381
Asian males	478	123	355	493	128	365	501	131	370
Black males	1,761	508	1,253	1,752	502	1,250	1,745	503	1,242
Hispanic males	1,733	445	1,288	1,720	439	1,281	1,704	447	1,257
American Indian males	113	31	82	113	31	82	113	31	82
White females	8,852	2,301	6,551	8,696	2,299	6,397	8,493	2,302	6,191
Asian females	461	119	342	479	122	357	493	126	367
Black females	1,817	509	1,308	1,804	502	1,302	1,795	503	1,292
Hispanic females	1,485	406	1,079	1,501	412	1,089	1,516	423	1,093
American Indian females	108	31	77	109	31	78	109	31	78

SOURCES: U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 601, Projections of the Population of the United States: 2050, U.S. Government Printing Office, Washington, D.C., 1975. U.S. Bureau of the Census, Current Population Reports, P25-1095, U.S. Population Estimates, by 1975 to Age, Sex, Race, and Hispanic Origin: 1980 to 1991. U.S. Government Printing Office, Washington, D.C., 1993. U.S. Bureau of the Census, Current Population Reports, P25-1092, Population Projections of the United States, by Age, Sex, Race, and Hispanic Origin: 1992 to 2050, U.S. Government Printing Office, Washington, D.C., 1992.

*Women, Minorities, and Persons With Disabilities in Science and Engineering: 1998*

**Appendix table 3-9. Total undergraduate enrollment at all institutions, by sex and race/ethnicity:  
Fall 1976-1994, selected years**

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Enrollment status, sex, and race/ethnicity	1976	1980	1990	1991	1992	1993	1994
<b>Total undergraduate enrollment:</b>							
Total, all races and ethnicities.....	9,536,927	10,603,579	12,011,657	12,595,335	12,693,778	12,482,813	12,417,701
Non-resident aliens.....	144,535	210,753	227,337	235,205	258,661	269,139	270,909
White, non-Hispanic.....	7,759,913	8,486,774	9,232,090	9,508,527	9,388,226	9,101,085	8,905,614
Asian or Pacific Islander.....	172,633	251,713	491,134	565,166	620,463	642,893	683,131
Underrepresented minorities.....	1,459,846	1,654,339	2,061,096	2,286,437	2,426,428	2,469,696	2,558,047
Black, non-Hispanic.....	946,476	1,020,921	1,125,591	1,231,252	1,282,732	1,292,621	1,319,262
American Indian or Alaskan Native.....	69,955	77,961	95,135	105,839	110,879	112,727	117,856
Hispanic.....	443,415	555,457	840,370	949,346	1,032,817	1,064,348	1,120,929
Men, all races and ethnicities.....	4,951,997	5,052,234	5,396,557	5,632,690	5,644,113	5,547,126	5,484,342
Non-resident aliens.....	97,198	140,229	129,275	133,630	143,640	146,966	147,207
White, non-Hispanic.....	4,063,605	4,057,626	4,165,862	4,273,310	4,195,726	4,067,289	3,958,270
Asian or Pacific Islander.....	92,787	129,876	250,287	284,673	308,564	318,289	335,737
Underrepresented minorities.....	698,407	724,503	851,133	941,077	996,183	1,014,582	1,043,128
Black, non-Hispanic.....	432,042	428,913	440,209	478,648	496,123	500,194	503,381
American Indian or Alaskan Native.....	34,894	34,790	39,692	44,186	46,572	47,233	48,920
Hispanic.....	231,472	260,800	371,232	418,243	453,488	467,155	490,827
Women, all races and ethnicities.....	4,584,930	5,551,345	6,615,100	6,962,645	7,049,665	6,935,687	6,933,359
Non-resident aliens.....	47,338	70,525	98,062	101,575	115,021	122,173	123,702
White, non-Hispanic.....	3,696,308	4,429,148	5,066,228	5,235,217	5,192,500	5,033,796	4,947,344
Asian or Pacific Islander.....	79,846	121,837	240,847	280,493	311,899	324,604	347,394
Underrepresented minorities.....	761,439	929,835	1,209,963	1,345,360	1,430,245	1,455,114	1,514,919
Black, non-Hispanic.....	514,434	592,008	685,382	752,604	786,609	792,427	815,881
American Indian or Alaskan Native.....	35,062	43,170	55,443	61,653	64,307	65,494	68,936
Hispanic.....	211,943	294,657	469,138	531,103	579,329	597,193	630,102
<b>Percentage distribution:</b>							
Total, all races and ethnicities.....	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Non-resident aliens.....	1.5%	2.0%	1.9%	1.9%	2.0%	2.2%	2.2%
White, non-Hispanic.....	81.4%	80.0%	76.9%	75.5%	74.0%	72.9%	71.7%
Asian or Pacific Islander.....	1.8%	2.4%	4.1%	4.5%	4.9%	5.2%	5.5%
Underrepresented minorities.....	15.3%	15.6%	17.2%	18.2%	19.1%	19.8%	20.6%
Black, non-Hispanic.....	9.9%	9.6%	9.4%	9.8%	10.1%	10.4%	10.6%
American Indian or Alaskan Native.....	0.7%	0.7%	0.8%	0.8%	0.9%	0.9%	0.9%
Hispanic.....	4.6%	5.2%	7.0%	7.5%	8.1%	8.5%	9.0%
Men, all races and ethnicities.....	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Non-resident aliens.....	2.0%	2.8%	2.4%	2.4%	2.5%	2.6%	2.7%
White, non-Hispanic.....	82.1%	80.3%	77.2%	75.9%	74.3%	73.3%	72.2%
Asian or Pacific Islander.....	1.9%	2.6%	4.6%	5.1%	5.5%	5.7%	6.1%
Underrepresented minorities.....	14.1%	14.3%	15.8%	16.7%	17.6%	18.3%	19.0%
Black, non-Hispanic.....	8.7%	8.5%	8.2%	8.5%	8.8%	9.0%	9.2%
American Indian or Alaskan Native.....	0.7%	0.7%	0.7%	0.8%	0.8%	0.9%	0.9%
Hispanic.....	4.7%	5.2%	6.9%	7.4%	8.0%	8.4%	8.9%

See explanatory information and SOURCES at end of table.

**Appendix table 3-9. Total undergraduate enrollment at all institutions, by sex and race/ethnicity:  
Fall 1976-1994, selected years**

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Enrollment status, sex, and race/ethnicity	1976	1980	1990	1991	1992	1993	1994
Women, all races and ethnicities.....	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Non-resident aliens.....	1.0%	1.3%	1.5%	1.5%	1.6%	1.8%	1.8%
White, non-Hispanic.....	80.6%	79.8%	76.6%	75.2%	73.7%	72.6%	71.4%
Asian or Pacific Islander.....	1.7%	2.2%	3.6%	4.0%	4.4%	4.7%	5.0%
Underrepresented minorities.....	16.6%	16.7%	18.3%	19.3%	20.3%	21.0%	21.8%
Black, non-Hispanic.....	11.2%	10.7%	10.4%	10.8%	11.2%	11.4%	11.8%
American Indian or Alaskan Native.....	0.8%	0.8%	0.8%	0.9%	0.9%	0.9%	1.0%
Hispanic.....	4.6%	5.3%	7.1%	7.6%	8.2%	8.6%	9.1%

NOTE: Other/unknown races and ethnicities have been distributed proportionately across groups. Because of rounding, details may not sum to totals.

SOURCES: U.S. Department of Education/NCES. Opening Fall Enrollment Survey; tabulations by National Science Foundation/SRS.

*Women, Minorities, and Persons With Disabilities in Science and Engineering: 1998*

**Appendix table 3-10. Proportion of 4-year college dominant students participating in key core science and mathematics courses, by race/ethnicity and sex: 1982-1993 cohort**

	White	Black	Hispanic	Asian	Women	Men	Page 1 of 1
General pre-college mathematics.....	6.3%	17.6%	8.0%	-	7.9%	6.7%	
Pre-college algebra.....	11.8	18.7	21.4	-	13.4	12.0	
Pre-college algebra.....	26.1	26.1	21.5	16.5	24.9	26.7	
Pre-calculus.....	21.7	22.1	15.5	48.7	17.9	26.5	
Finite/discrete mathematics.....	9.7	6.2	4.8	13.9	8.5	10.1	
Statistics.....	26.9	20.5	20.9	28.5	24.7	27.4	
Calculus.....	32.2	18.5	26.3	63.3	23	40.3	
Introductory computer science.....	20.8	13	12.5	14.2	17.3	21.9	
Computer programming.....	21.9	18.2	21.6	33.7	16.7	27.1	
Computer organization and architecture.....	4.4	5.2	7.2	5.8	3	6.3	
Data processing.....	7.1	7.1	8.1	0	6.8	7.3	
Systems organization and analysis.....	6	5.3	5.7	10.5	4.3	7.7	
General biology.....	32.3	41.4	29	35.7	38.6	27.1	
Microbiology.....	7	6.2	5.3	9.7	9.9	3.7	
Ecology.....	6.6	3.7	8.2	9	7	5.8	
Genetics.....	6.1	4.2	-	12.9	5.8	6.2	
Anatomy and physiology.....	10.1	8.9	15.1	8.5	14.4	5.6	
Physiology.....	7.6	8.3	5.5	14.3	10.1	5.1	
Biochemistry.....	4.8	3.8	4.5	15.9	5.5	4.4	
General physical science.....	6.8	17.1	5.9	-	8.1	7.3	
Astronomy.....	13.4	6.6	13.3	10.8	10	15.5	
General geology.....	1.4	6.1	6.9	-	8.9	12.4	
General chemistry.....	34.3	22.2	30.5	59.5	29.9	37.5	
Organic chemistry.....	9.5	7.3	5.6	24.8	9.6	9.6	
Introductory physics.....	22.7	15.7	16.1	48.5	15.1	30.3	

NOTE: Universe: Students who earned 30 or more credits from 4-year colleges and 10 or fewer credits from 2-year colleges. Weighted N=969,228. - = Too few observations in the sample to produce a reliable estimate.

SOURCE: National Center for Education Statistics High School and Beyond/Sophomore Cohort, 1982-1993 Cohort.

*Women, Minorities, and Persons With Disabilities in Science and Engineering: 1998*

**Appendix table 3-11. Proportion of community college dominant students participating in key core science, mathematics, and technology courses, by gender: 1982-1993 cohort**

Page 1 of 1

	Women	Men
General pre-college mathematics.....	13.6%	9.6%
Arithmetic, pre-algebra.....	6.4	6.8
Pre-college algebra.....	26.4	30.7
College algebra.....	13.5	20.1
Pre-calculus.....	4.6	8.3
Technical mathematics.....	6	19.4
Business mathematics: pre-college.....	18.1	12.4
Introductory computer science.....	10.4	18.1
Computer programming.....	13.8	16.9
Data processing.....	20.1	12.5
Electronics technology.....	-	17.7
Computer technology.....	-	10.9
General biology.....	15.8	13.9
Microbiology.....	11.1	-
Anatomy and physiology.....	20.3	2.6
Human development.....	6.9	-
Astronomy.....	4.6	5
General chemistry.....	10.8	11.2
Introductory physics.....	-	10.2

NOTE: Universe: Students who earned 30 or more credits from 4-year colleges and 10 or fewer credits from 2-year colleges. - = Too few observations in the sample to produce a reliable estimate.

SOURCE: National Center for Education Statistics, High School and Beyond/Sophomore Cohort, 1982-1993 Cohort

*Women, Minorities, and Persons With Disabilities in Science and Engineering: 1998*

**Appendix table 3-12. Total enrollment at 2-year institutions, by sex and race/ethnicity:  
Fall 1976-1994, selected years**

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Enrollment status, sex, and race/ethnicity	1976	1980	1990	1991	1992	1993	1994
<b>Total enrollment</b>							
Total, all races and ethnicities.....	3,719,873	4,381,779	5,126,629	5,572,644	5,641,541	5,479,815	5,422,242
Non-resident aliens.....	40,440	62,363	74,831	73,665	90,557	91,595	92,092
White, non-Hispanic.....	2,945,192	3,439,968	3,862,573	4,125,453	4,057,223	3,879,659	3,760,725
Asian or Pacific Islander.....	78,038	123,876	215,506	258,244	292,505	298,636	316,094
Underrepresented minorities.....	656,202	755,572	973,719	1,115,282	1,201,256	1,209,925	1,253,331
Black, non-Hispanic.....	407,375	452,325	501,766	566,040	589,641	585,835	600,743
American Indian or Alaskan Native.....	38,606	44,759	51,677	59,230	60,339	60,476	62,188
Hispanic.....	210,221	258,488	420,276	490,012	551,276	563,614	590,400
Men, all races and ethnicities.....	1,897,687	1,985,211	2,187,395	2,371,462	2,380,155	2,312,351	2,279,995
Non-resident aliens.....	24,788	38,529	37,058	38,135	45,657	45,191	45,319
White, non-Hispanic.....	1,507,456	1,549,876	1,642,810	1,750,720	1,705,468	1,631,398	1,577,034
Asian or Pacific Islander.....	42,006	62,939	108,274	128,816	143,283	145,879	153,680
Underrepresented minorities.....	323,437	333,867	399,253	453,791	485,747	489,883	503,962
Black, non-Hispanic.....	190,816	190,199	191,072	213,086	218,216	217,273	220,630
American Indian or Alaskan Native.....	19,177	19,652	21,236	24,410	24,768	24,850	25,144
Hispanic.....	113,443	124,016	186,945	216,295	242,763	247,760	258,188
Women, all races and ethnicities.....	1,822,186	2,396,568	2,939,234	3,201,182	3,261,386	3,167,464	3,142,247
Non-resident aliens.....	15,652	23,834	37,773	35,530	44,900	46,404	46,773
White, non-Hispanic.....	1,437,736	1,890,093	2,219,763	2,374,733	2,351,755	2,248,261	2,183,691
Asian or Pacific Islander.....	36,032	60,937	107,232	129,428	149,222	152,757	162,414
Underrepresented minorities.....	332,766	421,704	574,466	661,491	715,509	720,042	749,369
Black, non-Hispanic.....	216,559	262,126	310,694	352,954	371,425	368,562	380,113
American Indian or Alaskan Native.....	19,429	25,106	30,441	34,820	35,571	35,626	37,044
Hispanic.....	96,778	134,472	233,331	273,717	308,513	315,854	332,212
<b>Percentage distribution</b>							
Total, all races and ethnicities.....	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Non-resident aliens.....	1.1%	1.4%	1.5%	1.3%	1.6%	1.7%	1.7%
White, non-Hispanic.....	79.2%	78.5%	75.3%	74.0%	71.9%	70.8%	69.4%
Asian or Pacific Islander.....	2.1%	2.8%	4.2%	4.6%	5.2%	5.4%	5.8%
Underrepresented minorities.....	17.6%	17.2%	19.0%	20.0%	21.3%	22.1%	23.1%
Black, non-Hispanic.....	11.0%	10.3%	9.8%	10.2%	10.5%	10.7%	11.1%
American Indian or Alaskan Native.....	1.0%	1.0%	1.0%	1.1%	1.1%	1.1%	1.1%
Hispanic.....	5.7%	5.9%	8.2%	8.8%	9.8%	10.3%	10.9%
Men, all races and ethnicities.....	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Non-resident aliens.....	1.3%	1.9%	1.7%	1.6%	1.9%	2.0%	2.0%
White, non-Hispanic.....	79.4%	78.1%	75.1%	73.8%	71.7%	70.6%	69.2%
Asian or Pacific Islander.....	2.2%	3.2%	4.9%	5.4%	6.0%	6.3%	6.7%
Underrepresented minorities.....	17.0%	16.8%	18.3%	19.1%	20.4%	21.2%	22.1%
Black, non-Hispanic.....	10.1%	9.6%	8.7%	9.0%	9.2%	9.4%	9.7%
American Indian or Alaskan Native.....	1.0%	1.0%	1.0%	1.0%	1.0%	1.1%	1.1%
Hispanic.....	6.0%	6.2%	8.5%	9.1%	10.2%	10.7%	11.3%

See explanatory information and SOURCES at end of table.

**Appendix table 3-12. Total enrollment at 2-year institutions, by sex and race/ethnicity:  
Fall 1976-1994, selected years**

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Enrollment status, sex, and race/ethnicity	1976	1980	1990	1991	1992	1993	1994
Women, all races and ethnicities.....	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Non-resident aliens.....	0.9%	1.0%	1.3%	1.1%	1.4%	1.5%	1.5%
White, non-Hispanic.....	78.9%	78.9%	75.5%	74.2%	72.1%	71.0%	69.5%
Asian or Pacific Islander.....	2.0%	2.5%	3.6%	4.0%	4.6%	4.8%	5.2%
Underrepresented minorities.....	18.3%	17.6%	19.5%	20.7%	21.9%	22.7%	23.8%
Black, non-Hispanic.....	11.9%	10.9%	10.6%	11.0%	11.4%	11.6%	12.1%
American Indian or Alaskan Native.....	1.1%	1.0%	1.0%	1.1%	1.1%	1.1%	1.2%
Hispanic.....	5.3%	5.6%	7.9%	8.6%	9.5%	10.0%	10.6%

NOTE: Other/unknown races and ethnicities have been distributed proportionately across groups. Because of rounding, details may not sum to totals.

SOURCES: U.S. Department of Education/NCES. Opening Fall Enrollment Survey; tabulations by National Science Foundation/SRS.

*Women, Minorities, and Persons With Disabilities in Science and Engineering: 1998*

**Appendix table 3-13. Full-time enrollment at 2-year institutions, by sex and race/ethnicity:  
Fall 1976-1994, selected years**

Page 1 of 2

Enrollment status, sex, and race/ethnicity	1976	1980	1990	1991	1992	1993	1994
<b>Full-time enrollment:</b>							
Total, all races and ethnicities.....	1,578,879	1,673,285	1,854,914	2,051,499	2,052,345	2,018,843	2,003,156
Non-resident aliens.....	23,455	38,130	39,170	39,622	45,552	48,065	49,780
White, non-Hispanic.....	1,203,160	1,256,837	1,365,469	1,479,114	1,449,485	1,399,190	1,355,666
Asian or Pacific Islander.....	32,907	45,678	75,777	92,123	102,247	108,109	116,879
Underrepresented minorities.....	319,358	332,640	374,498	440,640	455,061	463,479	480,831
Black, non-Hispanic.....	208,009	213,043	201,362	233,333	232,604	233,932	239,240
American Indian or Alaskan Native.....	17,330	17,040	19,987	24,165	24,987	25,337	26,239
Hispanic.....	94,018	102,557	153,149	183,142	197,470	204,210	215,352
Men, all races and ethnicities.....	860,049	842,831	869,326	952,894	939,615	919,688	901,363
Non-resident aliens.....	15,919	26,360	20,476	21,372	23,747	24,417	25,524
White, non-Hispanic.....	665,656	641,136	650,420	699,036	674,998	649,203	622,180
Asian or Pacific Islander.....	19,029	25,092	40,625	48,455	52,714	55,237	59,568
Underrepresented minorities.....	159,446	150,243	157,805	184,031	188,156	190,831	194,091
Black, non-Hispanic.....	98,356	92,731	81,692	93,523	90,536	90,959	90,322
American Indian or Alaskan Native.....	8,984	7,994	8,800	10,475	10,725	10,964	11,020
Hispanic.....	52,106	49,519	67,313	80,033	86,895	88,908	92,749
Women, all races and ethnicities.....	718,830	830,454	985,588	1,098,605	1,112,730	1,099,155	1,101,793
Non-resident aliens.....	7,536	11,770	18,694	18,250	21,805	23,648	24,256
White, non-Hispanic.....	537,504	615,701	715,049	780,078	774,487	749,987	733,486
Asian or Pacific Islander.....	13,878	20,586	35,152	43,668	49,533	52,872	57,311
Underrepresented minorities.....	159,912	182,397	216,693	256,609	266,905	272,648	286,740
Black, non-Hispanic.....	109,653	120,313	119,670	139,810	142,068	142,973	148,918
American Indian or Alaskan Native.....	8,346	9,046	11,187	13,690	14,262	14,373	15,219
Hispanic.....	41,912	53,038	85,836	103,109	110,575	115,302	122,603
<b>Percentage distribution:</b>							
Total, all races and ethnicities.....	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Non-resident aliens.....	1.5%	2.3%	2.1%	1.9%	2.2%	2.4%	2.5%
White, non-Hispanic.....	76.2%	75.1%	73.6%	72.1%	70.6%	69.3%	67.7%
Asian or Pacific Islander.....	2.1%	2.7%	4.1%	4.5%	5.0%	5.4%	5.8%
Underrepresented minorities.....	20.2%	19.9%	20.2%	21.5%	22.2%	23.0%	24.0%
Black, non-Hispanic.....	13.2%	12.7%	10.9%	11.4%	11.3%	11.6%	11.9%
American Indian or Alaskan Native.....	1.1%	1.0%	1.1%	1.2%	1.2%	1.3%	1.3%
Hispanic.....	6.0%	6.1%	8.3%	8.9%	9.6%	10.1%	10.8%
Men, all races and ethnicities.....	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Non-resident aliens.....	1.9%	3.1%	2.4%	2.2%	2.5%	2.7%	2.8%
White, non-Hispanic.....	77.4%	76.1%	74.8%	73.4%	71.8%	70.6%	69.0%
Asian or Pacific Islander.....	2.2%	3.0%	4.7%	5.1%	5.6%	6.0%	6.6%
Underrepresented minorities.....	18.5%	17.8%	18.2%	19.3%	20.0%	20.7%	21.5%
Black, non-Hispanic.....	11.4%	11.0%	9.4%	9.8%	9.6%	9.9%	10.0%
American Indian or Alaskan Native.....	1.0%	0.9%	1.0%	1.1%	1.1%	1.2%	1.2%
Hispanic.....	6.1%	5.9%	7.7%	8.4%	9.2%	9.7%	10.3%

See explanatory information and SOURCES at end of table.

**Appendix table 3-13. Full-time enrollment at 2-year institutions, by sex and race/ethnicity:  
Fall 1976-1994, selected years**

Page 2 of 2

Enrollment status, sex, and race/ethnicity	1976	1980	1990	1991	1992	1993	1994
Women, all races and ethnicities.....	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Non-resident aliens.....	1.0%	1.4%	1.9%	1.7%	2.0%	2.2%	2.2%
White, non-Hispanic.....	74.8%	74.1%	72.6%	71.0%	69.6%	68.2%	66.6%
Asian or Pacific Islander.....	1.9%	2.5%	3.6%	4.0%	4.5%	4.8%	5.2%
Underrepresented minorities.....	22.2%	22.0%	22.0%	23.4%	24.0%	24.8%	26.0%
Black, non-Hispanic.....	15.3%	14.5%	12.1%	12.7%	12.8%	13.0%	13.5%
American Indian or Alaskan Native.....	1.2%	1.1%	1.1%	1.2%	1.3%	1.3%	1.4%
Hispanic.....	5.8%	6.4%	8.7%	9.4%	9.9%	10.5%	11.1%

NOTE: Other/unknown races and ethnicities have been distributed proportionately across groups. Because of rounding, details may not sum to totals.

SOURCES: U.S. Department of Education/NCES. Opening Fall Enrollment Survey, tabulations by National Science Foundation/SRS

*Women, Minorities, and Persons With Disabilities in Science and Engineering: 1998*

**Appendix table 3-14. Percentage distribution of persons 18-24 years of age in total population, total student enrollment in 2-year institutions, and the index of representation, by race/ethnicity and sex: 1980, 1990-1994<sup>1</sup>**

Page 1 of 1

Race/ethnicity and sex	1980			1990			1991		
	Percent of 18-24 years population	Percent of 2-year college enrollment	Index of representation	Percent of 18-24 years population	Percent of 2-year college enrollment	Index of representation	Percent of 18-24 years population	Percent of 2-year college enrollment	Index of representation
White males	38.92	35.88	92.20	35.72	32.52	91.03	35.49	31.84	89.70
Asian males	0.78	1.46	185.86	1.67	2.14	128.36	1.74	2.34	134.36
Black males	6.19	4.40	71.11	6.65	3.78	56.92	6.72	3.88	57.70
Hispanic males	3.93	2.87	73.00	6.54	3.70	56.61	6.62	3.93	59.40
American Indian males	0.34	0.45	134.27	0.41	0.42	101.61	0.42	0.44	104.57
White females	38.41	43.76	113.91	34.69	43.94	126.66	34.41	43.18	125.48
Asian females	0.77	1.41	183.05	1.57	2.12	134.96	1.66	2.35	141.78
Black females	6.67	6.07	91.02	6.90	6.15	89.20	6.94	6.42	92.44
Hispanic females	3.65	3.11	85.20	5.46	4.62	84.65	5.58	4.98	89.16
American Indian females	0.33	0.58	176.74	0.40	0.60	152.53	0.40	0.63	157.61
1992			1993			1994			
Race/ethnicity and sex	Percent of 18-24 years population	Percent of 2-year college enrollment	Index of representation	Percent of 18-24 years population	Percent of 2-year college enrollment	Index of representation	Percent of 18-24 years population	Percent of 2-year college enrollment	Index of representation
	35.21	30.72	87.26	35.03	30.28	86.43	34.80	29.59	85.02
White males	35.21	30.72	87.26	35.03	30.28	86.43	34.80	29.59	85.02
Asian males	1.84	2.58	140.09	1.92	2.71	140.88	1.98	2.88	145.37
Black males	6.79	3.93	57.91	6.83	4.03	59.04	6.91	4.14	59.92
Hispanic males	6.68	4.37	65.47	6.70	4.60	68.58	6.75	4.84	71.81
American Indian males	0.44	0.45	102.43	0.44	0.46	104.70	0.45	0.47	105.45
White females	34.12	42.37	124.16	33.90	41.73	123.09	33.62	40.97	121.85
Asian females	1.78	2.69	151.27	1.87	2.84	151.83	1.95	3.05	156.12
Black females	7.00	6.69	95.53	7.03	6.84	97.27	7.11	7.13	100.36
Hispanic females	5.72	5.56	97.09	5.85	5.86	100.18	6.00	6.23	103.85
American Indian females	0.42	0.64	153.92	0.42	0.66	155.61	0.43	0.69	161.06

<sup>1</sup>The number of cases for the percent distributions are presented in appendix table 3-15. Nonresident aliens were not included in these calculations. The numbers displayed may not be exact due to rounding error.

SOURCES: U.S. Department of Education/NCES Opening Fall Enrollment Survey and U.S. Bureau of the Census, Current Population Reports, tabulations by National Science Foundation/SRS.

*Women, Minorities, and Persons With Disabilities in Science and Engineering: 1998*

**Appendix table 3-15. Number of persons 18-24 years of age in total population and total 2-year college enrollment, by race/ethnicity<sup>1</sup> and sex:  
1980, 1990-1994**

Page 1 of 1

Race/ethnicity and sex	1980		1990		1991	
	18-24 years population	Total 2-year college enrollment	18-24 years population	Total 2-year college enrollment	18-24 years population	Total 2-year college enrollment
Total	30,103,000	4,319,416	26,831,000	5,051,798	26,384,000	5,498,979
White males	11,715,000	1,549,876	9,585,000	1,642,810	9,364,000	1,750,720
Asian males	236,000	62,939	448,000	108,274	460,000	128,816
Black males	1,864,000	190,199	1,783,000	191,072	1,772,000	213,086
Hispanic males	1,184,000	124,016	1,754,000	186,945	1,747,000	216,295
American Indian males	102,000	19,652	111,000	21,236	112,000	24,410
White females	11,564,000	1,890,093	9,308,000	2,219,763	9,080,000	2,374,733
Asian females	232,000	60,937	422,000	107,232	438,000	129,428
Black females	2,007,000	262,126	1,850,000	310,694	1,832,000	352,954
Hispanic females	1,100,000	134,472	1,464,000	233,331	1,473,000	273,717
American Indian females	99,000	25,106	106,000	30,441	106,000	34,820
Race/ethnicity and sex	1992		1993		1994	
	18-24 years population	Total 2-year college enrollment	18-24 years population	Total 2-year college enrollment	18-24 years population	Total 2-year college enrollment
Total	25,942,000	5,550,984	25,653,000	5,388,220	25,260,000	5,330,150
White males	9,134,000	1,705,468	8,986,000	1,631,398	8,791,000	1,577,034
Asian males	478,000	143,283	493,000	145,879	501,000	153,680
Black males	1,761,000	218,216	1,752,000	217,273	1,745,000	220,630
Hispanic males	1,733,000	242,763	1,720,000	247,760	1,704,000	258,188
American Indian males	113,000	24,768	113,000	24,850	113,000	25,144
White females	8,852,000	2,351,755	8,696,000	2,248,261	8,493,000	2,183,691
Asian females	461,000	149,222	479,000	152,757	493,000	162,414
Black females	1,817,000	371,425	1,804,000	368,562	1,795,000	380,113
Hispanic females	1,485,000	308,513	1,501,000	315,854	1,516,000	332,212
American Indian females	108,000	35,571	109,000	35,626	109,000	37,044

<sup>1</sup>Nonresident aliens were not included in these calculations. The numbers displayed may not be exact due to rounding error.

SOURCES: U.S. Department of Education/NCES Opening Fall Enrollment Survey and U.S. Bureau of the Census, Current Population Reports, tabulations by National Science Foundation/SRS.

*Women, Minorities, and Persons With Disabilities in Science and Engineering: 1998*

**Appendix table 3-16. Percentage of undergraduates who reported a disability and among those with disabilities, the type of disability: 1995-1996**

Page 1 of 3

	Type of disability reported among those reporting a disability						
	Any disabilities	Visual	Hearing	Speech	Orthopedic	Learning disability	Other
Total.....	5.5	16.3	16.3	3.0	22.9	29.2	21.2
Age as of 12/31/95							
18 years or younger.....	4.5	18.7	11.4	4.2	6.1	40.7	22.0
19-23 years.....	4.7	15.4	16.1	3.8	9.6	42.9	19.4
24-29 years.....	4.2	14.5	19.6	4.5	20.8	28.5	22.9
30-39 years.....	6.5	19.2	14.7	1.3	33.1	19.8	19.9
40 years or older.....	10.3	16.1	17.7	1.6	44.3	10.1	23.9
Single parent							
No.....	5.4	17.0	16.4	3.1	23.5	30.0	18.7
Yes.....	6.4	11.6	15.2	2.5	18.3	23.6	40.1
Number of dependents							
None.....	5.1	18.0	15.7	2.8	19.9	32.8	18.9
One or more.....	6.8	12.4	17.6	3.5	29.9	20.8	26.5
Average hours worked while enrolled							
Did not work.....	9.2	11.7	13.6	1.9	35.0	22.2	29.5
1-15 hours.....	4.8	17.4	10.9	2.8	17.8	37.9	20.8
16-20 hours.....	3.6	10.7	21.0	5.3	10.1	56.6	7.6
21-34 hours.....	5.8	15.5	18.7	6.8	12.2	36.7	16.3
35 or more hours.....	4.1	25.1	17.7	1.4	21.0	20.8	18.0
Level of institution							
Less-than-2-year.....	8.8	18.4	19.4	0.6	34.4	20.2	20.3
2-year.....	5.9	17.1	16.3	2.3	24.7	28.9	21.1
4-year.....	4.7	16.0	15.3	4.6	19.2	29.7	20.7
Institution type							
Public.....	5.3	17.0	17.3	3.2	22.5	27.6	21.0
Less-than-2-year.....	7.4	28.0	18.9	0.0	13.4	30.5	13.0
2-year.....	5.9	17.2	16.9	2.3	24.0	29.1	21.1
4-year non-doctorate-granting.....	5.6	13.0	20.2	5.2	28.4	22.4	17.8
Doctorate-granting.....	3.5	18.9	15.4	4.9	11.5	26.7	25.7
Private not-for-profit.....	5.6	17.6	11.1	3.7	19.2	36.0	18.9
Less-than-4-year.....	8.0	24.2	16.4	2.2	33.3	12.9	20.2
4-year non-doctorate-granting.....	5.9	17.6	7.1	3.2	14.3	42.4	20.6
Doctorate-granting.....	4.3	14.1	19.5	5.6	25.5	29.9	13.8
Private for-profit.....	7.3	13.1	15.5	0.6	38.7	23.1	23.5
More than one institution.....	6.8	10.6	18.7	1.6	19.2	37.5	25.2
Class level							
First-year beginning.....	5.9	15.2	12.4	3.7	17.2	38.1	21.4
Other first year.....	6.6	20.9	16.3	2.7	27.7	22.1	20.1
Second year.....	4.6	9.8	18.4	3.4	20.6	31.3	21.3
Third year.....	5.1	17.9	18.0	3.6	26.0	36.7	13.9
Fourth or fifth year.....	4.4	18.0	17.8	2.4	19.7	22.6	23.3
Unclassified.....	5.5	7.7	20.4	0.0	24.6	27.3	37.8
Attendance intensity							
Exclusively full-time.....	5.7	15.1	15.5	2.3	23.2	32.0	19.4
Mixed full-time and part-time.....	4.6	17.3	16.4	2.6	19.7	29.9	25.7
Exclusively part-time.....	5.5	17.9	18.6	4.4	24.5	24.6	19.8

See explanatory information and SOURCES at end of table.

**Appendix table 3-16. Percentage of undergraduates who reported a disability and among those with disabilities, the type of disability: 1995-1996**

Page 2 of 3

	Type of disability reported among those reporting a disability						
	Any disabilities	Visual	Hearing	Speech	Orthopedic	Learning disability	Other
Total.....	5.5	16.3	16.3	3.0	22.9	29.2	21.2
<b>Attendance status</b>							
Full-time, full year.....	5.3	17.5	14.7	2.5	17.7	33.9	22.1
Full-time, part year.....	6.9	10.1	15.0	1.3	34.4	25.7	18.9
Part-time, full year.....	5.5	19.4	22.5	3.1	17.5	28.5	21.7
Part-time, part year.....	5.3	15.6	13.2	5.0	30.2	23.5	20.8
<b>Undergraduate program</b>							
Certificate.....	7.2	25.5	18.6	1.3	30.5	19.9	13.5
Associate's degree.....	6.1	11.8	16.5	3.6	23.5	32.8	23.3
Bachelor's degree.....	4.6	15.8	15.3	3.2	19.3	30.0	21.9
Nondegree program.....	3.8	low n	low n	low n	low n	low n	low n
<b>Gender</b>							
Male.....	6.3	14.7	19.8	4.2	23.0	27.1	19.9
Female.....	4.9	18.0	12.8	1.8	22.7	31.4	22.5
<b>Race/ethnicity</b>							
White; non-Hispanic.....	6.2	15.8	17.1	1.8	22.6	31.3	20.6
Asian/Pacific Islander.....	1.9	low n	low n	low n	low n	low n	low n
Black; non-Hispanic.....	3.4	11.7	11.3	1.7	31.3	18.0	34.2
Hispanic.....	4.1	19.1	17.5	16.3	17.3	23.7	14.6
American Indian/Alaskan Native.....	13.4	low n	low n	low n	low n	low n	low n
<b>Dependency status</b>							
Dependent.....	4.6	16.8	13.6	4.3	9.0	44.2	19.0
Independent.....	6.4	16.0	18.1	2.1	32.4	19.0	22.6
<b>Dependency status</b>							
Dependent.....	4.6	16.8	13.6	4.3	9.0	44.2	19.0
Independent; No dependents, unmarried.....	7.0	22.8	11.9	0.8	34.4	19.4	20.4
Independent; No dependents, married.....	4.5	11.4	36.8	0.0	36.4	11.0	14.2
Independent; With dependents.....	6.8	12.4	17.6	3.5	29.9	20.8	26.5
<b>Income and dependency status</b>							
Dependent; Less than \$20,000.....	4.4	21.5	9.2	10.6	9.2	43.6	9.7
Dependent; \$20,000-\$39,999.....	4.1	16.9	8.8	4.1	11.6	45.1	21.4
Dependent; \$40,000-\$59,999.....	4.3	16.5	19.9	0.7	12.2	36.4	27.1
Dependent; \$60,000-\$79,999.....	4.2	15.7	15.6	1.5	5.7	40.9	22.3
Dependent; \$80,000-\$99,999.....	5.5	5.6	28.4	14.5	2.7	42.6	10.8
Dependent; \$100,000 or more.....	6.4	19.9	5.2	0.3	7.7	58.4	16.1
Independent; Less than \$10,000.....	7.4	9.7	8.1	3.0	32.7	27.0	32.6
Independent; \$10,000-\$19,999.....	7.7	21.1	12.4	1.5	28.6	18.0	27.1
Independent; \$20,000-\$29,999.....	6.2	17.8	30.3	4.3	31.2	15.4	12.8
Independent; \$30,000-\$49,999.....	5.7	22.1	28.2	0.1	36.5	12.5	11.9
Independent; \$50,000 or more.....	4.4	9.5	25.9	1.0	36.1	15.4	15.8
<b>Marital status</b>							
Not married.....	5.3	17.8	13.5	3.0	17.2	34.1	22.8
Married.....	5.8	13.6	25.2	3.0	37.1	14.8	17.0
Separated.....	9.1	2.5	13.0	1.2	45.9	26.8	14.5

See explanatory information and SOURCES at end of table.

**Appendix table 3-16. Percentage of undergraduates who reported a disability and among those with disabilities, the type of disability: 1995-1996**

Page 3 of 3

	Type of disability reported among those reporting a disability						
	Any disabilities	Visual	Hearing	Speech	Orthopedic	Learning disability	Other
Parents' education							
Less than high school diploma.....	7.1	16.1	20.9	4.1	36.8	15.9	20.4
High school diploma or equivalent.....	5.6	23.7	17.9	2.3	25.7	20.9	17.4
Some postsecondary education.....	5.8	14.3	14.6	0.4	23.0	37.5	20.9
Bachelor's degree or higher.....	5.4	13.4	17.9	3.8	12.7	41.7	19.8
Primary role if working while enrolled							
Student working to meet expenses.....	4.5	17.9	15.6	1.5	12.3	45.0	15.0
Employee enrolled in school.....	4.5	26.9	24.2	3.5	23.3	19.4	8.5

SOURCE: National Center for Education Statistics, 1996 National Postsecondary Student Aid Study data analysis system.

*Women, Minorities, and Persons With Disabilities in Science and Engineering: 1998*

**Appendix table 3-17. Full-time undergraduate enrollment at all institutions, by sex and race/ethnicity:  
Fall 1976-1994, selected years**

Page 1 of 2

Enrollment status, sex, and race/ethnicity	1976	1980	1990	1991	1992	1993	1994
<b>Full-time undergraduate enrollment:</b>							
Total, all races and ethnicities.....	6,115,948	6,464,633	7,058,865	7,346,260	7,369,223	7,302,852	7,287,543
Non-resident aliens.....	109,147	166,114	167,228	176,693	188,885	196,806	203,280
White, non-Hispanic.....	4,959,703	5,133,039	5,403,802	5,510,013	5,437,032	5,310,930	5,216,002
Asian or Pacific Islander.....	106,424	144,691	298,070	339,467	367,609	387,105	416,090
Underrepresented minorities.....	940,675	1,020,788	1,189,765	1,320,087	1,375,697	1,408,011	1,452,171
Black, non-Hispanic.....	627,230	650,728	670,892	733,802	753,189	763,883	776,887
American Indian or Alaskan Native.....	40,227	40,471	50,769	57,339	60,942	62,710	66,169
Hispanic.....	273,218	329,589	468,104	528,946	561,566	581,418	609,115
Men, all races and ethnicities.....	3,280,896	3,268,722	3,367,828	3,484,304	3,473,410	3,430,498	3,388,062
Non-resident aliens.....	77,669	116,471	99,043	103,606	108,439	111,328	114,224
White, non-Hispanic.....	2,693,974	2,622,125	2,609,128	2,648,578	2,598,252	2,531,133	2,461,618
Asian or Pacific Islander.....	58,801	77,250	155,377	174,480	187,040	195,676	208,493
Underrepresented minorities.....	450,452	452,876	504,280	557,640	579,679	592,361	603,727
Black, non-Hispanic.....	287,359	279,140	275,249	299,931	305,603	309,775	308,954
American Indian or Alaskan Native.....	20,799	19,176	22,494	25,081	26,785	27,690	28,791
Hispanic.....	142,295	154,560	206,537	232,628	247,291	254,896	265,982
Women, all races and ethnicities.....	2,835,052	3,195,911	3,691,037	3,861,956	3,895,813	3,872,354	3,899,481
Non-resident aliens.....	31,478	49,644	68,185	73,087	80,446	85,478	89,056
White, non-Hispanic.....	2,265,729	2,510,914	2,794,674	2,861,435	2,838,780	2,779,797	2,754,384
Asian or Pacific Islander.....	47,623	67,441	142,693	164,987	180,569	191,429	207,597
Underrepresented minorities.....	490,222	567,912	685,485	762,447	796,018	815,650	848,444
Black, non-Hispanic.....	339,872	371,588	395,643	433,871	447,586	454,108	467,933
American Indian or Alaskan Native.....	19,427	21,295	28,275	32,258	34,157	35,020	37,378
Hispanic.....	130,923	175,029	261,567	296,318	314,275	326,522	343,133
<b>Percentage distribution:</b>							
Total, all races and ethnicities.....	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Non-resident aliens.....	1.8%	2.6%	2.4%	2.4%	2.6%	2.7%	2.8%
White, non-Hispanic.....	81.1%	79.4%	76.6%	75.0%	73.8%	72.7%	71.6%
Asian or Pacific Islander.....	1.7%	2.2%	4.2%	4.6%	5.0%	5.3%	5.7%
Underrepresented minorities.....	15.4%	15.8%	16.9%	18.0%	18.7%	19.3%	19.9%
Black, non-Hispanic.....	10.3%	10.1%	9.5%	10.0%	10.2%	10.5%	10.7%
American Indian or Alaskan Native.....	0.7%	0.6%	0.7%	0.8%	0.8%	0.9%	0.9%
Hispanic.....	4.5%	5.1%	6.6%	7.2%	7.6%	8.0%	8.4%
Men, all races and ethnicities.....	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Non-resident aliens.....	2.4%	3.6%	2.9%	3.0%	3.1%	3.2%	3.4%
White, non-Hispanic.....	82.1%	80.2%	77.5%	76.0%	74.8%	73.8%	72.7%
Asian or Pacific Islander.....	1.8%	2.4%	4.6%	5.0%	5.4%	5.7%	6.2%
Underrepresented minorities.....	13.7%	13.9%	15.0%	16.0%	16.7%	17.3%	17.8%
Black, non-Hispanic.....	8.8%	8.5%	8.2%	8.6%	8.8%	9.0%	9.1%
American Indian or Alaskan Native.....	0.6%	0.6%	0.7%	0.7%	0.8%	0.8%	0.8%
Hispanic.....	4.3%	4.7%	6.1%	6.7%	7.1%	7.4%	7.9%

See explanatory information and SOURCES at end of table.

**Appendix table 3-17. Full-time undergraduate enrollment at all institutions, by sex and race/ethnicity:  
Fall 1976-1994, selected years**

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Enrollment status, sex, and race/ethnicity	1976	1980	1990	1991	1992	1993	1994
Women, all races and ethnicities.....	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Non-resident aliens.....	1.1%	1.6%	1.8%	1.9%	2.1%	2.2%	2.3%
White, non-Hispanic.....	79.9%	78.6%	75.7%	74.1%	72.9%	71.8%	70.6%
Asian or Pacific Islander.....	1.7%	2.1%	3.9%	4.3%	4.6%	4.9%	5.3%
Underrepresented minorities.....	17.3%	17.8%	18.6%	19.7%	20.4%	21.1%	21.8%
Black, non-Hispanic.....	12.0%	11.6%	10.7%	11.2%	11.5%	11.7%	12.0%
American Indian or Alaskan Native.....	0.7%	0.7%	0.8%	0.8%	0.9%	0.9%	1.0%
Hispanic.....	4.6%	5.5%	7.1%	7.7%	8.1%	8.4%	8.8%

NOTE: Other/unknown races and ethnicities have been distributed proportionately across groups. Because of rounding, details may not sum to totals.

SOURCES: U.S. Department of Education/NCES. Opening Fall Enrollment Survey; tabulations by National Science Foundation/SRS.

*Women, Minorities, and Persons With Disabilities in Science and Engineering: 1998*

**Appendix table 3-18. Total enrollment of undergraduate students at 4-year institutions, by sex and race/ethnicity:  
Fall 1976-1994, selected years**

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Sex and race/ethnicity	1976	1980	1990	1991	1992	1993	1994
Total, all races and ethnicities.....	5,817,054	6,221,800	6,885,028	7,022,691	7,052,237	7,002,998	6,995,459
Non-resident aliens.....	104,095	148,390	152,506	161,540	168,104	177,544	178,817
White, non-Hispanic.....	4,814,720	5,046,806	5,369,517	5,383,074	5,331,003	5,221,426	5,144,889
Asian or Pacific Islander.....	94,595	127,838	275,628	306,922	327,958	344,257	367,037
Underrepresented minorities.....	803,644	898,767	1,087,377	1,171,155	1,225,172	1,259,771	1,304,716
Black, non-Hispanic.....	539,101	568,596	623,825	665,212	693,091	706,786	718,519
American Indian or Alaskan Native.....	31,349	33,202	43,458	46,609	50,540	52,251	55,668
Hispanic	233,194	296,969	420,094	459,334	481,541	500,734	530,529
Men, all races and ethnicities.....	3,054,310	3,067,023	3,209,162	3,261,228	3,263,958	3,234,775	3,204,347
Non-resident aliens.....	72,410	101,700	92,217	95,495	97,983	101,775	101,888
White, non-Hispanic.....	2,556,148	2,507,750	2,523,052	2,522,590	2,490,258	2,435,891	2,381,236
Asian or Pacific Islander.....	50,781	66,937	142,013	155,857	165,281	172,410	182,057
Underrepresented minorities.....	374,971	390,636	451,880	487,286	510,436	524,699	539,166
Black, non-Hispanic.....	241,226	238,714	249,137	265,562	277,907	282,921	282,751
American Indian or Alaskan Native.....	15,716	15,138	18,456	19,776	21,804	22,383	23,776
Hispanic.....	118,029	136,784	184,287	201,948	210,725	219,395	232,639
Women, all races and ethnicities.....	2,762,744	3,154,777	3,675,866	3,761,463	3,788,279	3,768,223	3,791,112
Non-resident aliens.....	31,685	46,691	60,289	66,045	70,121	75,769	76,929
White, non-Hispanic.....	2,258,572	2,539,055	2,846,465	2,860,484	2,840,745	2,785,535	2,763,653
Asian or Pacific Islander.....	43,814	60,900	133,615	151,065	162,677	171,847	184,980
Underrepresented minorities.....	428,673	508,131	635,497	683,869	714,736	735,072	765,550
Black, non-Hispanic.....	297,875	329,882	374,688	399,650	415,184	423,865	435,768
American Indian or Alaskan Native.....	15,633	18,064	25,002	26,833	28,736	29,868	31,892
Hispanic.....	115,165	160,185	235,807	257,386	270,816	281,339	297,890
Percentage distribution:							
Total, all races and ethnicities.....	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Non-resident aliens.....	1.8%	2.4%	2.2%	2.3%	2.4%	2.5%	2.6%
White, non-Hispanic.....	82.8%	81.1%	78.0%	76.7%	75.6%	74.6%	73.5%
Asian or Pacific Islander.....	1.6%	2.1%	4.0%	4.4%	4.7%	4.9%	5.2%
Underrepresented minorities.....	13.8%	14.4%	15.8%	16.7%	17.4%	18.0%	18.7%
Black, non-Hispanic.....	9.3%	9.1%	9.1%	9.5%	9.8%	10.1%	10.3%
American Indian or Alaskan Native.....	0.5%	0.5%	0.7%	0.7%	0.7%	0.8%	0.8%
Hispanic.....	4.0%	4.8%	6.1%	6.5%	6.8%	7.2%	7.6%
Men, all races and ethnicities.....	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Non-resident aliens.....	2.4%	3.3%	2.9%	2.9%	3.0%	3.1%	3.2%
White, non-Hispanic.....	83.7%	81.8%	78.6%	77.4%	76.3%	75.3%	74.3%
Asian or Pacific Islander.....	1.7%	2.2%	4.4%	4.8%	5.1%	5.3%	5.7%
Underrepresented minorities.....	12.3%	12.7%	14.1%	14.9%	15.6%	16.2%	16.8%
Black, non-Hispanic.....	7.9%	7.8%	7.8%	8.1%	8.5%	8.7%	8.8%
American Indian or Alaskan Native.....	0.5%	0.5%	0.6%	0.7%	0.7%	0.7%	0.8%
Hispanic.....	3.9%	4.5%	5.7%	6.2%	6.5%	6.8%	7.3%

See explanatory information and SOURCES at end of table.

**Appendix table 3-18. Total enrollment of undergraduate students at 4-year institutions, by sex and race/ethnicity:  
Fall 1976-1994, selected years**

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Sex and race/ethnicity	1976	1980	1990	1991	1992	1993	1994
Women, all races and ethnicities.....	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Non-resident aliens.....	1.1%	1.5%	1.6%	1.8%	1.9%	2.0%	2.0%
White, non-Hispanic.....	81.8%	80.5%	77.4%	76.0%	75.0%	73.9%	72.9%
Asian or Pacific Islander.....	1.6%	1.9%	3.6%	4.0%	4.3%	4.6%	4.9%
Underrepresented minorities.....	15.5%	16.1%	17.3%	18.2%	18.9%	19.5%	20.2%
Black, non-Hispanic.....	10.8%	10.5%	10.2%	10.6%	11.0%	11.2%	11.5%
American Indian or Alaskan Native.....	0.5%	0.6%	0.7%	0.7%	0.7%	0.8%	0.9%
Hispanic.....	4.2%	5.1%	6.4%	6.8%	7.1%	7.5%	7.9%

NOTE: Other/unknown races and ethnicities have been distributed proportionately across groups. Because of rounding, details may not sum to totals.

SOURCES: U.S. Department of Education/NCES. Opening Fall Enrollment Survey; tabulations by National Science Foundation/SRS.

*Women, Minorities, and Persons With Disabilities in Science and Engineering: 1998*

**Appendix table 3-19. Full-time enrollment of undergraduate students at 4-year institutions, by sex and race/ethnicity: Fall 1976-1994, selected years**

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Enrollment status, sex, and race/ethnicity	1976	1980	1990	1991	1992	1993	1994
<b>Full-time undergraduate enrollment:</b>							
Total, all races and ethnicities.....	4,537,069	4,791,348	5,203,951	5,294,761	5,316,878	5,284,009	5,284,387
Non-resident aliens.....	85,692	127,984	128,058	137,071	143,333	148,741	153,500
White, non-Hispanic.....	3,756,543	3,876,203	4,038,333	4,030,899	3,987,547	3,911,740	3,860,336
Asian or Pacific Islander.....	73,517	99,013	222,293	247,344	265,362	278,996	299,211
Underrepresented minorities.....	621,317	688,148	815,267	879,447	920,636	944,532	971,340
Black, non-Hispanic.....	419,221	437,685	469,530	500,469	520,585	529,951	537,647
American Indian or Alaskan Native.....	22,896	23,431	30,782	33,174	35,955	37,373	39,930
Hispanic.....	179,200	227,032	314,955	345,804	364,096	377,208	393,763
Men, all races and ethnicities.....	2,420,847	2,425,891	2,498,502	2,531,410	2,533,795	2,510,810	2,486,699
Non-resident aliens.....	61,750	90,111	78,567	82,234	84,692	86,911	88,700
White, non-Hispanic.....	2,028,318	1,980,989	1,958,708	1,949,542	1,923,254	1,881,930	1,839,438
Asian or Pacific Islander.....	39,772	52,158	114,752	126,025	134,326	140,439	148,925
Underrepresented minorities.....	291,007	302,633	346,475	373,609	391,523	401,530	409,636
Black, non-Hispanic.....	189,003	186,410	193,557	206,408	215,067	218,816	218,632
American Indian or Alaskan Native.....	11,816	11,183	13,694	14,606	16,060	16,726	17,771
Hispanic.....	90,188	105,041	139,224	152,595	160,396	165,988	173,233
Women, all races and ethnicities.....	2,116,222	2,365,457	2,705,449	2,763,351	2,783,083	2,773,199	2,797,688
Non-resident aliens.....	23,942	37,874	49,491	54,837	58,641	61,830	64,800
White, non-Hispanic.....	1,728,225	1,895,213	2,079,625	2,081,357	2,064,293	2,029,810	2,020,898
Asian or Pacific Islander.....	33,745	46,855	107,541	121,319	131,036	138,557	150,286
Underrepresented minorities.....	330,310	385,515	468,792	505,838	529,113	543,002	561,704
Black, non-Hispanic.....	230,218	251,275	275,973	294,061	305,518	311,135	319,015
American Indian or Alaskan Native.....	11,081	12,248	17,088	18,568	19,895	20,647	22,159
Hispanic.....	89,012	121,991	175,731	193,209	203,700	211,220	220,530
<b>Percentage distribution:</b>							
Total, all races and ethnicities.....	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Non-resident aliens.....	1.9%	2.7%	2.5%	2.6%	2.7%	2.8%	2.9%
White, non-Hispanic.....	82.8%	80.9%	77.6%	76.1%	75.0%	74.0%	73.1%
Asian or Pacific Islander.....	1.6%	2.1%	4.3%	4.7%	5.0%	5.3%	5.7%
Underrepresented minorities.....	13.7%	14.4%	15.7%	16.6%	17.3%	17.9%	18.4%
Black, non-Hispanic.....	9.2%	9.1%	9.0%	9.5%	9.8%	10.0%	10.2%
American Indian or Alaskan Native.....	0.5%	0.5%	0.6%	0.6%	0.7%	0.7%	0.8%
Hispanic.....	3.9%	4.7%	6.1%	6.5%	6.8%	7.1%	7.5%
Men, all races and ethnicities.....	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Non-resident aliens.....	2.6%	3.7%	3.1%	3.2%	3.3%	3.5%	3.6%
White, non-Hispanic.....	83.8%	81.7%	78.4%	77.0%	75.9%	75.0%	74.0%
Asian or Pacific Islander.....	1.6%	2.2%	4.6%	5.0%	5.3%	5.6%	6.0%
Underrepresented minorities.....	12.0%	12.5%	13.9%	14.8%	15.5%	16.0%	16.5%
Black, non-Hispanic.....	7.8%	7.7%	7.7%	8.2%	8.5%	8.7%	8.8%
American Indian or Alaskan Native.....	0.5%	0.5%	0.5%	0.6%	0.6%	0.7%	0.7%
Hispanic.....	3.7%	4.3%	5.6%	6.0%	6.3%	6.6%	7.0%

See explanatory information and SOURCES at end of table.

**Appendix table 3-19. Full-time enrollment of undergraduate students at 4-year institutions, by sex and race/ethnicity: Fall 1976-1994, selected years**

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Enrollment status, sex, and race/ethnicity	1976	1980	1990	1991	1992	1993	1994
Women, all races and ethnicities.....	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Non-resident aliens.....	1.1%	1.6%	1.8%	2.0%	2.1%	2.2%	2.3%
White, non-Hispanic.....	81.7%	80.1%	76.9%	75.3%	74.2%	73.2%	72.2%
Asian or Pacific Islander.....	1.6%	2.0%	4.0%	4.4%	4.7%	5.0%	5.4%
Underrepresented minorities.....	15.6%	16.3%	17.3%	18.3%	19.0%	19.6%	20.1%
Black, non-Hispanic.....	10.9%	10.6%	10.2%	10.6%	11.0%	11.2%	11.4%
American Indian or Alaskan Native.....	0.5%	0.5%	0.6%	0.7%	0.7%	0.7%	0.8%
Hispanic.....	4.2%	5.2%	6.5%	7.0%	7.3%	7.6%	7.9%

NOTE: Other/unknown races and ethnicities have been distributed proportionately across groups. Because of rounding, details may not sum to totals.

SOURCES: U.S. Department of Education/NCES. Opening Fall Enrollment Survey; tabulations by National Science Foundation/SRS.

*Women, Minorities, and Persons With Disabilities in Science and Engineering: 1998*

**Appendix table 3-20. Percentage distribution of persons 18-24 years of age in total population, total enrollment of undergraduate students at 4-year institutions, and the index of representation, by race/ethnicity and sex: 1980, 1990-1994<sup>1</sup>**

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Race/ethnicity and sex	1980			1990			1991		
	Percent of 18-24 years population	Percent of 4-year college enrollment	Index of representation	Percent of 18-24 years population	Percent of 4-year college enrollment	Index of representation	Percent of 18-24 years population	Percent of 4-year college enrollment	Index of representation
White males	38.92	41.29	106.10	35.72	37.48	104.90	35.49	36.77	103.59
Asian males	0.78	1.10	140.58	1.67	2.11	126.33	1.74	2.27	130.29
Black males	6.19	3.93	63.48	6.65	3.70	55.69	6.72	3.87	57.63
Hispanic males	3.93	2.25	57.26	6.54	2.74	41.87	6.62	2.94	44.45
American Indian males	0.34	0.25	73.56	0.41	0.27	66.26	0.42	0.29	67.90
White females	38.41	41.81	108.83	34.69	42.28	121.87	34.41	41.69	121.14
Asian females	0.77	1.00	130.11	1.57	1.98	126.18	1.66	2.20	132.63
Black females	6.67	5.43	81.47	6.90	5.57	80.72	6.94	5.82	83.89
Hispanic females	3.65	2.64	72.18	5.46	3.50	64.19	5.58	3.75	67.19
American Indian females	0.33	0.30	90.44	0.40	0.37	94.00	0.40	0.39	97.34
1992			1993			1994			
Race/ethnicity and sex	Percent of 18-24 years population	Percent of 4-year college enrollment	Index of representation	Percent of 18-24 years population	Percent of 4-year college enrollment	Index of representation	Percent of 18-24 years population	Percent of 4-year college enrollment	Index of representation
	35.21	36.17	102.74	35.03	35.69	101.88	34.80	34.93	100.38
White males	35.21	36.17	102.74	35.03	35.69	101.88	34.80	34.93	100.38
Asian males	1.84	2.40	130.30	1.92	2.53	131.44	1.98	2.67	134.66
Black males	6.79	4.04	59.47	6.83	4.15	60.69	6.91	4.15	60.04
Hispanic males	6.68	3.06	45.82	6.70	3.21	47.94	6.75	3.41	50.59
American Indian males	0.44	0.32	72.71	0.44	0.33	74.45	0.45	0.35	77.97
White females	34.12	41.27	120.93	33.90	40.81	120.39	33.62	40.54	120.58
Asian females	1.78	2.36	132.98	1.87	2.52	134.84	1.95	2.71	139.04
Black females	7.00	6.03	86.11	7.03	6.21	88.31	7.11	6.39	89.96
Hispanic females	5.72	3.93	68.72	5.85	4.12	70.45	6.00	4.37	72.81
American Indian females	0.42	0.42	100.27	0.42	0.44	102.99	0.43	0.47	108.42

<sup>1</sup>The number of cases for the percent distributions are presented in appendix table 3-21. Nonresident aliens were not included in these calculations. The numbers displayed may not be exact due to rounding error.

SOURCES: U.S. Department of Education/NCES Opening Fall Enrollment Survey and U.S. Bureau of the Census, Current Population Reports, tabulations by National Science Foundation/SRS.

*Women, Minorities, and Persons With Disabilities in Science and Engineering: 1998*

**Appendix table 3-21. Number of persons 18-24 years of age in total population and total 4-year college enrollment, by race/ethnicity and sex: 1980, 1990-1994**

Page 1 of 1

Race/ethnicity and sex	1980		1990		1991	
	18-24 year old population	Total 4-year college enrollment	18-24 year old population	Total 4-year college enrollment	18-24 year old population	Total 4-year college enrollment
Total	30,103,000	6,073,409	26,831,000	6,732,522	26,384,000	6,861,151
White males	11,715,000	2,507,750	9,585,000	2,523,052	9,364,000	2,522,590
Asian males	236,000	66,937	448,000	142,013	460,000	155,857
Black males	1,864,000	238,714	1,783,000	249,137	1,772,000	265,562
Hispanic males	1,184,000	136,784	1,754,000	184,287	1,747,000	201,948
American Indian males	102,000	15,138	111,000	18,456	112,000	19,776
White females	11,564,000	2,539,055	9,308,000	2,846,465	9,080,000	2,860,484
Asian females	232,000	60,900	422,000	133,615	438,000	151,065
Black females	2,007,000	329,882	1,850,000	374,688	1,832,000	399,650
Hispanic females	1,100,000	160,185	1,464,000	235,807	1,473,000	257,386
American Indian females	99,000	18,064	106,000	25,002	106,000	26,833
Race/ethnicity and sex	1992		1993		1994	
	18-24 year old population	Total 4-year college enrollment	18-24 year old population	Total 4-year college enrollment	18-24 year old population	Total 4-year college enrollment
Total	25,942,000	6,884,133	25,653,000	6,825,454	25,260,000	6,816,642
White males	9,134,000	2,490,258	8,986,000	2,435,891	8,791,000	2,381,236
Asian males	478,000	165,281	493,000	172,410	501,000	182,057
Black males	1,761,000	277,907	1,752,000	282,921	1,745,000	282,751
Hispanic males	1,733,000	210,725	1,720,000	219,395	1,704,000	232,639
American Indian males	113,000	21,804	113,000	22,383	113,000	23,776
White females	8,852,000	2,840,745	8,696,000	2,785,535	8,493,000	2,763,653
Asian females	461,000	162,677	479,000	171,847	493,000	184,980
Black females	1,817,000	415,184	1,804,000	423,865	1,795,000	435,768
Hispanic females	1,485,000	270,816	1,501,000	281,339	1,516,000	297,890
American Indian females	108,000	28,736	109,000	29,868	109,000	31,892

NOTE: These data do not include nonresident aliens; and U.S. citizens and permanent residents for whom their race/ethnicity is unknown.

SOURCES: U.S. Department of Education/NCES Opening Fall Enrollment Survey and U.S. Bureau of the Census, Current Population Reports, tabulations by National Science Foundation/SRS.

**Appendix table 3-22. Percentage distribution of full-time, first-time, first-year students attending 4-year colleges in 1990, percentage distribution of earned bachelor's degrees in 1994, and the index of representation, by race/ethnicity, sex, and field of degree<sup>1</sup>**

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Race/ethnicity and sex	Number of full-time, first-time, first-year 1990 4-year college enrollment	Percent of full-time, first-time, first-year 1990 4-year college enrollment	Total degrees		Engineering		Physical sciences	
			Percent distribution of earned bachelor's degrees	Index of representation	Percent distribution of earned bachelor's degrees	Index of representation	Percent distribution of earned bachelor's degrees	Index of representation
White males	385,984	36.8	37.4	101.47	66.1	179.41	57.1	154.87
Asian males	24,904	2.4	2.4	98.88	9.1	384.79	3.7	156.20
Black males	48,485	4.6	2.7	57.87	3.1	67.35	2.7	57.45
Hispanic males	31,614	3.0	2.3	76.24	4.4	144.46	2.4	78.80
American Indian males	3,024	0.3	0.2	78.96	0.3	108.35	0.3	103.23
White females	418,445	39.9	44.3	110.90	12.0	30.00	26.7	66.82
Asian females	24,860	2.4	2.5	105.93	2.2	94.32	2.6	108.18
Black females	67,517	6.4	4.6	72.07	1.5	23.72	2.6	40.63
Hispanic females	39,134	3.7	3.3	87.70	1.1	30.31	1.8	48.78
American Indian females	3,503	0.3	0.3	93.18	0.1	20.38	0.2	53.12
Mathematical science			Computer science		Biological science		Agricultural science	
Race/ethnicity and sex	Percent distribution of earned bachelor's degrees	Index of representation	Percent distribution of earned bachelor's degrees	Index of representation	Percent distribution of earned bachelor's degrees	Index of representation	Percent distribution of earned bachelor's degrees	Index of representation
White males	43.5	118.05	55.5	150.53	37.7	102.43	58.1	157.70
Asian males	3.8	161.64	6.8	286.43	6.0	251.55	0.6	27.33
Black males	3.4	72.55	5.4	115.73	1.9	40.03	1.1	23.45
Hispanic males	2.2	73.04	3.3	109.91	2.6	85.97	1.5	50.68
American Indian males	0.2	73.81	0.3	94.29	0.2	77.55	0.5	181.17
White females	38.0	95.08	17.5	43.82	38.1	95.37	34.9	87.28
Asian females	3.0	124.77	3.6	149.88	5.9	249.89	0.7	30.38
Black females	3.9	60.99	5.7	88.54	4.1	63.67	1.0	16.11
Hispanic females	1.8	47.79	1.9	51.37	3.2	85.76	1.1	30.33
American Indian females	0.2	65.92	0.1	26.21	0.3	80.09	0.3	101.89

See explanatory information and SOURCES at end of table.

**Appendix table 3-22. Percentage distribution of full-time, first-time, first-year students attending 4-year colleges in 1990, percentage distribution of earned bachelor's degrees, distribution of earned bachelor's degrees in 1994, and the index of representation, by race/ethnicity, sex, and field of degree<sup>1</sup>**

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Race/ethnicity and sex	Social sciences		Psychology		Non-science and engineering	
	Percent distribution of earned bachelor's degrees	Index of representation	Percent distribution of earned bachelor's degrees	Index of representation	Percent distribution of earned bachelor's degrees	Index of representation
White males	43.9	119.19	22.1	60.08	34.0	92.13
Asian males	2.4	101.33	1.2	50.46	1.5	64.14
Black males	3.5	75.44	1.8	39.57	2.6	55.52
Hispanic males	2.8	94.03	1.5	49.06	2.1	69.13
American Indian males	0.3	102.88	0.2	58.19	0.2	71.81
White females	36.4	91.20	59.4	148.78	48.7	121.84
Asian females	2.6	111.59	2.9	123.40	2.2	94.27
Black females	4.7	72.22	6.0	92.35	4.9	75.87
Hispanic females	3.0	79.98	4.5	119.13	3.5	94.39
American Indian females	0.3	94.89	0.4	124.91	0.3	99.66

<sup>1</sup>The numbers of cases for the percent distributions of earned bachelor's degrees are presented in text table 3-6.

NOTE: These data do not include nonresident aliens; and U.S. citizens and permanent residents for whom their race/ethnicity is unknown.

SOURCE: U.S. Department of Education/National Center for Education Statistics, Opening Fall Enrollments Survey and Completions Survey, tabulations by National Science Foundation/SRS.

*Women, Minorities, and Persons With Disabilities in Science and Engineering: 1998*

**Appendix table 3-23. Percentage distribution of full-time, first-time, first-year students attending 4-year colleges in 1991, percentage distribution of earned bachelor's degrees in 1995, and the index of representation, by race/ethnicity, sex, and field of degree<sup>1</sup>**

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Race/ethnicity and sex	Number of full-time first-time first-year 1991 4-year college enrollment	Percent of full-time first-time first-year 1991 4-year college enrollment	Total degrees		Engineering		Physical sciences	
			Percent distribution of earned bachelor's degrees	Index of representation	Percent distribution of earned bachelor's degrees	Index of representation	Percent distribution of earned bachelor's degrees	Index of representation
White males	371,494	35.9	36.7	102.04	64.3	178.90	54.9	152.75
	25,873	2.5	2.6	102.01	9.3	372.89	4.3	171.85
	50,317	4.9	2.8	57.36	3.2	66.28	2.7	55.79
	34,283	3.3	2.5	75.70	5.1	152.56	2.4	72.29
	3,024	0.3	0.2	82.17	0.3	105.15	0.4	123.78
	406,538	39.3	43.7	111.22	12.1	30.85	27.1	69.00
	27,228	2.6	2.8	105.82	2.5	95.88	3.1	117.27
	68,697	6.6	4.9	73.58	1.7	26.27	3.0	44.50
	42,756	4.1	3.5	84.52	1.3	31.95	2.0	48.15
	3,721	0.4	0.3	94.71	0.1	21.85	0.2	48.77
White females	Mathematical science		Computer science		Biological science		Agricultural science	
	Percent distribution of earned bachelor's degrees	Index of representation	Percent distribution of earned bachelor's degrees	Index of representation	Percent distribution of earned bachelor's degrees	Index of representation	Percent distribution of earned bachelor's degrees	Index of representation
	42.3	117.74	54.1	150.48	36.5	101.48	57.5	160.00
	4.0	160.81	7.3	290.02	6.4	255.26	0.9	36.64
	3.7	75.84	5.7	116.91	1.8	37.14	0.9	17.53
	2.4	73.66	4.0	121.12	2.5	74.46	1.6	48.49
	0.2	76.88	0.3	114.43	0.2	80.63	0.6	197.72
	37.9	96.37	17.1	43.60	38.4	97.64	35.0	89.10
	3.5	131.32	3.6	136.14	6.6	250.18	1.1	42.04
	4.0	60.57	5.8	86.73	4.1	62.39	1.0	15.07
Black females	1.7	41.44	2.0	47.78	3.2	77.97	1.1	26.94
	0.2	62.48	0.2	47.13	0.3	80.37	0.3	82.30

See explanatory information and SOURCES at end of table.

**Appendix table 3-23. Percentage distribution of full-time, first-time, first-year students attending 4-year colleges in 1991, percentage distribution of earned bachelor's degrees in 1995, and the index of representation, by race/ethnicity, sex, and field of degree<sup>1</sup>**

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Race/ethnicity and sex	Social sciences		Psychology		Non-science and engineering	
	Percent distribution of earned bachelor's degrees	Index of representation	Percent distribution of earned bachelor's degrees	Index of representation	Percent distribution of earned bachelor's degrees	Index of representation
White males	42.9	119.28	21.8	60.65	33.4	92.96
Asian males	2.6	102.02	1.4	55.37	1.7	66.94
Black males	3.6	73.75	2.0	41.19	2.7	55.57
Hispanic males	3.0	89.49	1.7	50.28	2.3	69.14
American Indian males	0.3	108.34	0.2	58.67	0.2	74.08
White females	36.2	92.08	58.2	147.91	48.0	122.04
Asian females	3.0	112.20	3.4	128.25	2.4	92.29
Black females	5.0	75.22	6.2	93.38	5.2	77.61
Hispanic females	3.2	78.01	4.8	116.77	3.8	91.02
American Indian females	0.3	91.76	0.4	114.03	0.4	103.47

<sup>1</sup>The numbers of cases for the percent distributions of earned bachelor's degrees are presented in text table 3-6.

NOTE: These data do not include nonresident aliens; and U.S. citizens and permanent residents for whom their race/ethnicity is unknown.

SOURCE: U.S. Department of Education/National Center for Education Statistics, Opening Fall Enrollments Survey and Completions Survey, tabulations by National Science Foundation/SRS.

**Appendix table 3-24. Full-time enrollment of first-time, first-year students at all institutions, by sex and race/ethnicity: Fall 1976-1994, selected years**

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Enrollment status, sex, and race/ethnicity	1976	1980	1990	1991	1992	1993	1994
Total, all races and ethnicities	1,081,893	1,132,943	1,068,432	1,055,682	1,064,886	1,077,987	1,076,502
Non-resident aliens	17,504	21,319	20,962	21,751	22,289	21,925	22,002
White, non-Hispanic	889,861	911,879	804,429	778,032	779,514	781,057	778,784
Asian or Pacific Islander	15,550	21,181	49,764	53,101	54,885	57,406	61,772
Underrepresented minorities	158,977	178,564	193,277	202,798	208,198	217,599	213,944
Black, non-Hispanic	108,591	113,244	116,002	119,014	120,226	122,474	122,249
Hispanic	45,223	59,841	70,748	77,039	80,858	87,598	83,427
American Indian or Alaskan Native	5,162	5,479	6,527	6,745	7,114	7,527	8,268
Men, all races and ethnicities	547,612	554,275	506,357	497,751	500,801	505,457	498,778
Non-resident aliens	12,015	14,021	12,346	12,760	12,814	12,389	12,506
White, non-Hispanic	455,667	452,321	385,984	371,494	370,379	370,980	365,219
Asian or Pacific Islander	8,081	10,849	24,904	25,873	26,950	28,186	29,679
Underrepresented minorities	71,850	77,084	83,123	87,624	90,658	93,902	91,374
Black, non-Hispanic	47,683	48,093	48,485	50,317	51,189	51,789	50,895
Hispanic	21,767	26,393	31,614	34,283	36,157	38,664	36,701
American Indian or Alaskan Native	2,399	2,598	3,024	3,024	3,312	3,449	3,778
Women, all races and ethnicities	534,281	578,668	562,075	557,931	564,085	572,530	577,724
Non-resident aliens	5,490	7,298	8,616	8,991	9,475	9,536	9,496
White, non-Hispanic	434,194	459,558	418,445	406,538	409,135	410,077	413,565
Asian or Pacific Islander	7,470	10,332	24,860	27,228	27,935	29,220	32,093
Underrepresented minorities	87,127	101,480	110,154	115,174	117,540	123,697	122,570
Black, non-Hispanic	60,908	65,150	67,517	68,697	69,037	70,685	71,354
Hispanic	23,456	33,449	39,134	42,756	44,701	48,934	46,726
American Indian or Alaskan Native	2,763	2,881	3,503	3,721	3,802	4,078	4,490

Percentage distribution:

Total, all races and ethnicities	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Non-resident aliens	1.6%	1.9%	2.0%	2.1%	2.1%	2.0%	2.0%
White, non-Hispanic	82.3%	80.5%	75.3%	73.7%	73.2%	72.5%	72.3%
Asian or Pacific Islander	1.4%	1.9%	4.7%	5.0%	5.2%	5.3%	5.7%
Underrepresented minorities	14.7%	15.8%	18.1%	19.2%	19.6%	20.2%	19.9%
Black, non-Hispanic	10.0%	10.0%	10.9%	11.3%	11.3%	11.4%	11.4%
Hispanic	4.2%	5.3%	6.6%	7.3%	7.6%	8.1%	7.7%
American Indian or Alaskan Native	4.8%	4.8%	5.6%	5.7%	5.9%	6.1%	6.8%

See explanatory information and SOURCES at end of table.

**Appendix table 3-24. Full-time enrollment of first-time, first-year students at all institutions, by sex and race/ethnicity: Fall 1976-1994, selected years**

Enrollment status, sex, and race/ethnicity	1976	1980	1990	1991	1992	1993	1994	Page 2 of 2
Men, all races and ethnicities	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Non-resident aliens	2.2%	2.5%	2.4%	2.6%	2.6%	2.5%	2.5%	2.5%
White, non-Hispanic	83.2%	81.6%	76.2%	74.6%	74.0%	73.4%	73.2%	73.2%
Asian or Pacific Islander	1.5%	2.0%	4.9%	5.2%	5.4%	5.6%	6.0%	6.0%
Underrepresented minorities	13.1%	13.9%	16.4%	17.6%	18.1%	18.6%	18.3%	18.3%
Black, non-Hispanic	8.7%	8.7%	9.6%	10.1%	10.2%	10.2%	10.2%	10.2%
Hispanic	4.0%	4.8%	6.2%	6.9%	7.2%	7.6%	7.4%	7.4%
American Indian or Alaskan Native	5.0%	5.4%	6.2%	6.0%	6.5%	6.7%	7.4%	7.4%
Women, all races and ethnicities	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Non-resident aliens	1.0%	1.3%	1.5%	1.6%	1.7%	1.7%	1.6%	1.6%
White, non-Hispanic	81.3%	79.4%	74.4%	72.9%	72.5%	71.6%	71.6%	71.6%
Asian or Pacific Islander	1.4%	1.8%	4.4%	4.9%	5.0%	5.1%	5.6%	5.6%
Underrepresented minorities	16.3%	17.5%	19.6%	20.6%	20.8%	21.6%	21.2%	21.2%
Black, non-Hispanic	11.4%	11.3%	12.0%	12.3%	12.2%	12.3%	12.4%	12.4%
Hispanic	4.4%	5.8%	7.0%	7.7%	7.9%	8.5%	8.1%	8.1%
American Indian or Alaskan Native	4.5%	4.4%	5.2%	5.4%	5.5%	5.8%	6.3%	6.3%

NOTE: Other/unknown races and ethnicities have been distributed proportionately across groups. Because of rounding, details may not sum to totals.

SOURCES: U.S. Department of Education/NCES. Opening Fall Enrollment Survey; tabulations by National Science Foundation/SRS.

**Appendix table 3-25. Earned bachelor's degrees conferred by all schools  
and by historically black colleges and universities (HBCUs) to  
blacks, by field: 1987-1994, selected years**

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Field	1987	1989	1990	1991	1992	1993	1994
Total, all black recipients							
Total science and engineering.....	17,230	17,385	18,230	19,987	22,431	24,421	26,289
Engineering.....	2,315	2,067	2,072	2,229	2,362	2,577	2,659
Sciences.....	14,915	15,318	16,158	17,758	20,069	21,844	23,630
Natural sciences.....	6,524	6,005	5,782	5,834	6,401	6,972	7,559
Physical science <sup>1</sup> .....	823	697	650	753	816	836	921
Mathematical science.....	834	792	720	811	904	965	992
Computer science.....	2,820	2,457	2,247	1,997	2,090	2,213	2,398
Biological science.....	1,890	1,916	1,994	2,111	2,385	2,739	2,980
Agricultural science.....	157	143	171	162	206	219	268
Social sciences.....	8,391	9,313	10,376	11,924	13,668	14,872	16,071
Social science.....	5,940	6,570	7,226	8,236	9,489	10,254	10,835
Psychology.....	2,451	2,743	3,150	3,688	4,179	4,618	5,236
Non-S&E <sup>2</sup> .....	37,873	39,452	41,071	45,022	48,880	52,246	56,027
Grand total.....	55,103	56,837	59,301	65,009	71,311	76,667	82,316
Total, all black recipients from HBCUs							
Total science and engineering.....	5,229	5,054	5,190	5,679	6,363	7,368	7,804
Engineering.....	557	474	524	589	594	700	690
Sciences.....	4,672	4,580	4,666	5,090	5,769	6,668	7,114
Natural sciences.....	2,750	2,513	2,353	2,363	2,599	3,021	3,105
Physical science <sup>1</sup> .....	346	320	296	358	376	390	421
Mathematical science.....	425	381	307	369	420	463	449
Computer science.....	1,187	1,048	899	748	780	904	904
Biological science.....	714	693	764	792	906	1,155	1,197
Agricultural science.....	78	71	87	96	117	109	134
Social sciences.....	1,922	2,067	2,313	2,727	3,170	3,647	4,009
Social science.....	1,457	1,517	1,651	1,886	2,201	2,507	2,701
Psychology.....	465	550	662	841	969	1,140	1,308
Non-S&E <sup>2</sup> .....	11,360	10,871	11,155	12,284	13,346	14,481	15,622
Grand total.....	16,589	15,925	16,345	17,963	19,709	21,849	23,426

See explanatory information and SOURCES at end of table.

**Appendix table 3-25. Earned bachelor's degrees conferred by all schools  
and by historically black colleges and universities (HBCUs) to  
blacks, by field: 1987-1994, selected years**

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Field	1987	1989	1990	1991	1992	1993	1994
Percentage from HBCUs							
Total science and engineering.....	30.3	29.1	28.5	28.4	28.4	30.2	29.7
Engineering.....	24.1	22.9	25.3	26.4	25.1	27.2	25.9
Sciences.....	31.3	29.9	28.9	28.7	28.7	30.5	30.1
Natural sciences.....	42.2	41.8	40.7	40.5	40.6	43.3	41.1
Physical science <sup>1</sup> .....	42.0	45.9	45.5	47.5	46.1	46.7	45.7
Mathematical science.....	51.0	48.1	42.6	45.5	46.5	48.0	45.3
Computer science.....	42.1	42.7	40.0	37.5	37.3	40.8	37.7
Biological science.....	37.8	36.2	38.3	37.5	38.0	42.2	40.2
Agricultural science.....	49.7	49.7	50.9	59.3	56.8	49.8	50.0
Social sciences.....	22.9	22.2	22.3	22.9	23.2	24.5	24.9
Social science.....	24.5	23.1	22.8	22.9	23.2	24.4	24.9
Psychology.....	19.0	20.1	21.0	22.8	23.2	24.7	25.0
Non-S&E <sup>2</sup> .....	30.0	27.6	27.2	27.3	27.3	27.7	27.9
Grand total.....	30.1	28.0	27.6	27.6	27.6	28.5	28.5

<sup>1</sup> In this table, "Physical science" includes earth, atmospheric, and ocean sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

NOTES: Data on race/ethnicity were collected biennially from 1977 through 1989 and annually thereafter. Data on race/ethnicity of degree recipients are collected on broad fields of study only; therefore, these data could not be adjusted to the exact field taxonomies used by NSF. Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

SOURCE: Tabulations by National Science Foundation/SRS; data from National Center for Education Statistics IPEDS Completions Surveys, 1987-1994.

**Appendix table 3-26. Earned bachelor's degrees conferred by all schools  
and by historically black colleges and universities (HBCUs) to black  
men, by field: 1987-1994, selected years**

Page 1 of 2

Field	1987	1989	1990	1991	1992	1993	1994
Total, all recipients							
Total science and engineering.....	7,886	7,685	7,830	8,448	9,375	10,099	10,806
Engineering.....	1,606	1,397	1,416	1,484	1,614	1,764	1,784
Sciences.....	6,280	6,288	6,414	6,964	7,761	8,335	9,022
Natural sciences.....	2,939	2,732	2,476	2,538	2,709	2,872	3,146
Physical science <sup>1</sup> .....	433	365	292	391	381	370	464
Mathematical science.....	399	374	342	380	374	444	457
Computer science.....	1,284	1,205	1,074	971	1,092	1,049	1,161
Biological science.....	723	700	658	696	749	883	927
Agricultural science.....	100	88	110	100	113	126	137
Social sciences.....	3,341	3,556	3,938	4,426	5,052	5,463	5,876
Social science.....	2,680	2,911	3,144	3,547	4,070	4,364	4,644
Psychology.....	661	645	794	879	982	1,099	1,232
Non-S&E <sup>2</sup> .....	14,056	14,228	14,760	15,790	17,143	18,275	19,300
Grand total.....	21,942	21,913	22,590	24,238	26,518	28,374	30,106
Total, all black recipients from HBCUs							
Total science and engineering.....	2,337	2,112	2,086	2,211	2,450	2,761	2,940
Engineering.....	371	308	331	359	380	430	425
Sciences.....	1,966	1,804	1,755	1,852	2,070	2,331	2,515
Natural sciences.....	1,193	1,056	935	951	972	1,089	1,162
Physical science <sup>1</sup> .....	156	160	127	163	145	150	197
Mathematical science.....	213	179	134	164	150	196	181
Computer science.....	502	460	377	333	364	361	381
Biological science.....	264	206	231	231	238	317	334
Agricultural science.....	58	51	66	60	75	65	69
Social sciences.....	773	748	820	901	1,098	1,242	1,353
Social science.....	661	621	657	720	868	989	1,060
Psychology.....	112	127	163	181	230	253	293
Non-S&E <sup>2</sup> .....	4,239	3,870	3,980	4,219	4,637	5,106	5,517
Grand total.....	6,576	5,982	6,066	6,430	7,087	7,867	8,457

See explanatory information and SOURCES at end of table.

**Appendix table 3-26. Earned bachelor's degrees conferred by all schools  
and by historically black colleges and universities (HBCUs) to black  
men, by field: 1987-1994, selected years**

Page 2 of 2

Field	1987	1989	1990	1991	1992	1993	1994
Percentage from HBCUs							
Total science and engineering.....	29.6	27.5	26.6	26.2	26.1	27.3	27.2
Engineering.....	23.1	22.0	23.4	24.2	23.5	24.4	23.8
Sciences.....	31.3	28.7	27.4	26.6	26.7	28.0	27.9
Natural sciences.....	40.6	38.7	37.8	37.5	35.9	37.9	36.9
Physical science <sup>1</sup> .....	36.0	43.8	43.5	41.7	38.1	40.5	42.5
Mathematical science.....	53.4	47.9	39.2	43.2	40.1	44.1	39.6
Computer science.....	39.1	38.2	35.1	34.3	33.3	34.4	32.8
Biological science.....	36.5	29.4	35.1	33.2	31.8	35.9	36.0
Agricultural science.....	58.0	58.0	60.0	60.0	66.4	51.6	50.4
Social sciences.....	23.1	21.0	20.8	20.4	21.7	22.7	23.0
Social science.....	24.7	21.3	20.9	20.3	21.3	22.7	22.8
Psychology.....	16.9	19.7	20.5	20.6	23.4	23.0	23.8
Non-S&E <sup>2</sup> .....	30.2	27.2	27.0	26.7	27.0	27.9	28.6
Grand total.....	30.0	27.3	26.9	26.5	26.7	27.7	28.1

<sup>1</sup> In this table, "Physical science" includes earth, atmospheric, and ocean sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

NOTES: Data on race/ethnicity were collected biennially from 1977 through 1989 and annually thereafter. Data on race/ethnicity of degree recipients are collected on broad fields of study only; therefore, these data could not be adjusted to the exact field taxonomies used by NSF. Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

SOURCE: Tabulations by National Science Foundation/SRS; data from National Center for Education Statistics IPEDS Completions Surveys, 1987-1994.

**Appendix table 3-27. Earned bachelor's degrees conferred by all schools  
and by historically black colleges and universities (HBCUs) to black  
women, by field: 1987-1994, selected years**

Field	1987	1989	1990	1991	1992	1993	1994	Page 1 of 2
Total, all black recipients								
Total science and engineering.....	9,344	9,700	10,400	11,539	13,056	14,322	15,483	
Engineering.....	709	670	656	745	748	813	875	
Sciences.....	8,635	9,030	9,744	10,794	12,308	13,509	14,608	
Natural sciences.....	3,585	3,273	3,306	3,296	3,692	4,100	4,413	
Physical science <sup>1</sup> .....	390	332	358	362	435	466	457	
Mathematical science.....	435	418	378	431	530	521	535	
Computer science.....	1,536	1,252	1,173	1,026	998	1,164	1,237	
Biological science.....	1,167	1,216	1,336	1,415	1,636	1,856	2,053	
Agricultural science.....	57	55	61	62	93	93	131	
Social sciences.....	5,050	5,757	6,438	7,498	8,616	9,409	10,195	
Social science.....	3,260	3,659	4,082	4,689	5,419	5,890	6,191	
Psychology.....	1,790	2,098	2,356	2,809	3,197	3,519	4,004	
Non-S&E <sup>2</sup> .....	23,817	25,224	26,311	29,232	31,737	33,971	36,727	
Grand total.....	33,161	34,924	36,711	40,771	44,793	48,293	52,210	
Total, all black recipients from HBCUs								
Total science and engineering.....	2,892	2,942	3,104	3,468	3,913	4,607	4,864	
Engineering.....	186	166	193	230	214	270	265	
Sciences.....	2,706	2,776	2,911	3,238	3,699	4,337	4,599	
Natural sciences.....	1,557	1,457	1,418	1,412	1,627	1,932	1,943	
Physical science <sup>1</sup> .....	190	160	169	195	231	240	224	
Mathematical science.....	212	202	173	205	270	267	268	
Computer science.....	685	588	522	415	416	543	523	
Biological science.....	450	487	533	561	668	838	863	
Agricultural science.....	20	20	21	36	42	44	65	
Social sciences.....	1,149	1,319	1,493	1,826	2,072	2,405	2,656	
Social science.....	796	896	994	1,166	1,333	1,518	1,641	
Psychology.....	353	423	499	660	739	887	1,015	
Non-S&E <sup>2</sup> .....	7,121	7,001	7,175	8,065	8,709	9,375	10,105	
Grand total.....	10,013	9,943	10,279	11,533	12,622	13,982	14,969	

See explanatory information and SOURCES at end of table.

**Appendix table 3-27. Earned bachelor's degrees conferred by all schools  
and by historically black colleges and universities (HBCUs) to black  
women, by field: 1987-1994, selected years**

Page 2 of 2

Field	1987	1989	1990	1991	1992	1993	1994
Percentage from HBCUs							
Total science and engineering.....	31.0	30.3	29.8	30.1	30.0	32.2	31.4
Engineering.....	26.2	24.8	29.4	30.9	28.6	33.2	30.3
Sciences.....	31.3	30.7	29.9	30.0	30.1	32.1	31.5
Natural sciences.....	43.4	44.5	42.9	42.8	44.1	47.1	44.0
Physical science <sup>1</sup> .....	48.7	48.2	47.2	53.9	53.1	51.5	49.0
Mathematical science.....	48.7	48.3	45.8	47.6	50.9	51.2	50.1
Computer science.....	44.6	47.0	44.5	40.4	41.7	46.6	42.3
Biological science.....	38.6	40.0	39.9	39.6	40.8	45.2	42.0
Agricultural science.....	35.1	36.4	34.4	58.1	45.2	47.3	49.6
Social sciences.....	22.8	22.9	23.2	24.4	24.0	25.6	26.1
Social science.....	24.4	24.5	24.4	24.9	24.6	25.8	26.5
Psychology.....	19.7	20.2	21.2	23.5	23.1	25.2	25.3
Non-S&E <sup>2</sup> .....	29.9	27.8	27.3	27.6	27.4	27.6	27.5
Grand total.....	30.2	28.5	28.0	28.3	28.2	29.0	28.7

<sup>1</sup> In this table, "Physical science" includes earth, atmospheric, and ocean sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

NOTES: Data on race/ethnicity were collected biennially from 1977 through 1989 and annually thereafter. Data on race/ethnicity of degree recipients are collected on broad fields of study only; therefore, these data could not be adjusted to the exact field taxonomies used by NSF. Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

SOURCE: Tabulations by National Science Foundation/SRS; data from National Center for Education Statistics IPEDS Completions Surveys, 1987-1994.

**Appendix table 3-28. Earned bachelor's degrees conferred by all schools and by institutions in Puerto Rico to Hispanics, by field: 1987-1994, selected years**

Page 1 of 2

Field	1987	1989	1990	1991	1992	1993	1994
Total, all Hispanic recipients							
Total science and engineering.....	12,419	13,327	13,918	15,351	17,391	18,442	20,529
Engineering.....	2,554	2,561	2,511	2,566	2,733	2,961	3,143
Sciences.....	9,865	10,766	11,407	12,785	14,658	15,481	17,386
Natural sciences.....	4,660	4,417	4,357	4,705	4,892	5,034	5,648
Physical science <sup>1</sup> .....	585	563	522	533	546	599	733
Mathematical science.....	321	373	413	480	482	470	543
Computer science.....	1,375	1,195	1,085	1,215	1,173	1,096	1,135
Biological science.....	2,146	2,090	2,119	2,264	2,477	2,652	2,901
Agricultural science.....	233	196	218	213	214	217	336
Social sciences.....	5,205	6,349	7,050	8,080	9,766	10,447	11,738
Social science.....	3,503	4,197	4,645	5,334	6,519	6,860	7,748
Psychology.....	1,702	2,152	2,405	2,746	3,247	3,587	3,990
Non-S&E <sup>2</sup> .....	25,777	28,034	29,946	33,676	35,616	39,403	42,154
Grand total.....	38,196	41,361	43,864	49,027	53,007	57,845	62,683
Total, all Hispanic recipients from institutions in Puerto Rico							
Total science and engineering.....	3,065	3,056	2,983	2,952	3,007	3,001	3,205
Engineering.....	584	651	626	554	686	697	742
Sciences.....	2,481	2,405	2,357	2,398	2,321	2,304	2,463
Natural sciences.....	1,556	1,479	1,447	1,446	1,339	1,300	1,374
Physical science <sup>1</sup> .....	173	184	184	154	172	172	227
Mathematical science.....	58	69	69	108	34	41	27
Computer science.....	337	326	261	327	296	254	258
Biological science.....	916	858	862	797	837	833	808
Agricultural science.....	72	42	71	60	0	0	54
Social sciences.....	925	926	910	952	982	1,004	1,089
Social science.....	576	501	495	523	496	508	590
Psychology.....	349	425	415	429	486	496	499
Non-S&E <sup>2</sup> .....	8,871	9,146	9,192	9,558	9,748	10,358	10,249
Grand total.....	11,936	12,202	12,175	12,510	12,755	13,359	13,454

See explanatory information and SOURCES at end of table.

**Appendix table 3-28. Earned bachelor's degrees conferred by all schools and by institutions in Puerto Rico to Hispanics, by field: 1987-1994, selected years**

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Field	1987	1989	1990	1991	1992	1993	1994
Percentage from institutions in Puerto Rico							
Total science and engineering.....	24.7	22.9	21.4	19.2	17.3	16.3	15.6
Engineering.....	22.9	25.4	24.9	21.6	25.1	23.5	23.6
Sciences.....	25.1	22.3	20.7	18.8	15.8	14.9	14.2
Natural sciences.....	33.4	33.5	33.2	30.7	27.4	25.8	24.3
Physical science <sup>1</sup> .....	29.6	32.7	35.2	28.9	31.5	28.7	31.0
Mathematical science.....	18.1	18.5	16.7	22.5	7.1	8.7	5.0
Computer science.....	24.5	27.3	24.1	26.9	25.2	23.2	22.7
Biological science.....	42.7	41.1	40.7	35.2	33.8	31.4	27.9
Agricultural science.....	30.9	21.4	32.6	28.2	0.0	0.0	16.1
Social sciences.....	17.8	14.6	12.9	11.8	10.1	9.6	9.3
Social science.....	16.4	11.9	10.7	9.8	7.6	7.4	7.6
Psychology.....	20.5	19.7	17.3	15.6	15.0	13.8	12.5
Non-S&E <sup>2</sup> .....	34.4	32.6	30.7	28.4	27.4	26.3	24.3
Grand total.....	31.2	29.5	27.8	25.5	24.1	23.1	21.5

<sup>1</sup> In this table, "Physical science" includes earth, atmospheric, and ocean sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

NOTES: Data on race/ethnicity were collected biennially from 1977 through 1989 and annually thereafter. Data on race/ethnicity of degree recipients are collected on broad fields of study only; therefore, these data could not be adjusted to the exact field taxonomies used by NSF. Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

SOURCE: Tabulations by National Science Foundation/SRS; data from National Center for Education Statistics IPEDS Completions Surveys, 1987-1994.

**Appendix table 3-29. Earned bachelor's degrees conferred by all schools and by institutions in Puerto Rico to Hispanic men, by field: 1987-1994, selected years**

Page 1 of 2

Field	1987	1989	1990	1991	1992	1993	1994
Total, all Hispanic recipients							
Total science and engineering.....	6,974	7,318	7,434	7,888	8,730	9,160	10,190
Engineering.....	2,100	2,100	2,035	2,039	2,187	2,355	2,495
Sciences.....	4,874	5,218	5,399	5,849	6,543	6,805	7,695
Natural sciences.....	2,516	2,432	2,328	2,458	2,497	2,608	2,925
Physical science <sup>1</sup> .....	377	362	311	318	326	361	415
Mathematical science.....	196	224	249	259	279	273	300
Computer science.....	766	750	669	738	724	700	719
Biological science.....	1,018	965	955	1,019	1,043	1,144	1,298
Agricultural science.....	159	131	144	124	125	130	193
Social sciences.....	2,358	2,786	3,071	3,391	4,046	4,197	4,770
Social science.....	1,845	2,153	2,384	2,634	3,220	3,269	3,774
Psychology.....	513	633	687	757	826	928	996
Non-S&E <sup>2</sup> .....	9,664	10,684	11,249	12,893	13,296	14,665	15,670
Grand total.....	16,638	18,002	18,683	20,781	22,026	23,825	25,860
Hispanic recipients from institutions in Puerto Rico							
Total science and engineering.....	1,524	1,559	1,462	1,365	1,362	1,339	1,426
Engineering.....	453	525	481	398	498	511	534
Sciences.....	1,071	1,034	981	967	864	828	892
Natural sciences.....	730	671	626	612	520	496	540
Physical science <sup>1</sup> .....	98	91	90	70	78	70	86
Mathematical science.....	30	39	47	50	20	24	15
Computer science.....	172	197	143	170	159	147	149
Biological science.....	377	322	302	293	263	255	258
Agricultural science.....	53	22	44	29	0	0	32
Social sciences.....	341	363	355	355	344	332	352
Social science.....	272	257	252	245	243	211	248
Psychology.....	69	106	103	110	101	121	104
Non-S&E <sup>2</sup> .....	2,578	2,814	2,804	3,204	2,890	3,030	3,087
Grand total.....	4,102	4,373	4,266	4,569	4,252	4,369	4,513

See explanatory information and SOURCES at end of table.

**Appendix table 3-29. Earned bachelor's degrees conferred by all schools and by institutions in Puerto Rico to Hispanic men, by field: 1987-1994, selected years**

Page 2 of 2

Field	1987	1989	1990	1991	1992	1993	1994
Percentage from institutions in Puerto Rico							
Total science and engineering.....	21.9	21.3	19.7	17.3	15.6	14.6	14.0
Engineering.....	21.6	25.0	23.6	19.5	22.8	21.7	21.4
Sciences.....	22.0	19.8	18.2	16.5	13.2	12.2	11.6
Natural sciences.....	29.0	27.6	26.9	24.9	20.8	19.0	18.5
Physical science <sup>1</sup> .....	26.0	25.1	28.9	22.0	23.9	19.4	20.7
Mathematical science.....	15.3	17.4	18.9	19.3	7.2	8.8	5.0
Computer science.....	22.5	26.3	21.4	23.0	22.0	21.0	20.7
Biological science.....	37.0	33.4	31.6	28.8	25.2	22.3	19.9
Agricultural science.....	33.3	16.8	30.6	23.4	0.0	0.0	16.6
Social sciences.....	14.5	13.0	11.6	10.5	8.5	7.9	7.4
Social science.....	14.7	11.9	10.6	9.3	7.5	6.5	6.6
Psychology.....	13.5	16.7	15.0	14.5	12.2	13.0	10.4
Non-S&E <sup>2</sup> .....	26.7	26.3	24.9	24.9	21.7	20.7	19.7
Grand total.....	24.7	24.3	22.8	22.0	19.3	18.3	17.5

<sup>1</sup> In this table, "Physical science" includes earth, atmospheric, and ocean sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

NOTES: Data on race/ethnicity were collected biennially from 1977 through 1989 and annually thereafter. Data on race/ethnicity of degree recipients are collected on broad fields of study only; therefore, these data could not be adjusted to the exact field taxonomies used by NSF. Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

SOURCE: Tabulations by National Science Foundation/SRS; data from National Center for Education Statistics IPEDS Completions Surveys, 1987-1994.

**Appendix table 3-30. Earned bachelor's degrees conferred by all schools and by institutions in Puerto Rico to Hispanic women, by field: 1987-1994, selected years**

Page 1 of 2

Field	1987	1989	1990	1991	1992	1993	1994
Total, all Hispanic recipients							
Total science and engineering.....	5,445	6,009	6,484	7,463	8,661	9,282	10,339
Engineering.....	454	461	476	527	546	606	648
Sciences.....	4,991	5,548	6,008	6,936	8,115	8,676	9,691
Natural sciences.....	2,144	1,985	2,029	2,247	2,395	2,426	2,723
Physical science <sup>1</sup> .....	208	201	211	215	220	238	318
Mathematical science.....	125	149	164	221	203	197	243
Computer science.....	609	445	416	477	449	396	416
Biological science.....	1,128	1,125	1,164	1,245	1,434	1,508	1,603
Agricultural science.....	74	65	74	89	89	87	143
Social sciences.....	2,847	3,563	3,979	4,689	5,720	6,250	6,968
Social science.....	1,658	2,044	2,261	2,700	3,299	3,591	3,974
Psychology.....	1,189	1,519	1,718	1,989	2,421	2,659	2,994
Non-S&E <sup>2</sup> .....	16,113	17,350	18,697	20,783	22,320	24,738	26,484
Grand total.....	21,558	23,359	25,181	28,246	30,981	34,020	36,823
Hispanic recipients from institutions in Puerto Rico							
Total science and engineering.....	1,541	1,497	1,521	1,587	1,645	1,662	1,779
Engineering.....	131	126	145	156	188	186	208
Sciences.....	1,410	1,371	1,376	1,431	1,457	1,476	1,571
Natural sciences.....	826	808	821	834	819	804	834
Physical science <sup>1</sup> .....	75	93	94	84	94	102	141
Mathematical science.....	28	30	22	58	14	17	12
Computer science.....	165	129	118	157	137	107	109
Biological science.....	539	536	560	504	574	578	550
Agricultural science.....	19	20	27	31	0	0	22
Social sciences.....	584	563	555	597	638	672	737
Social science.....	304	244	243	278	253	297	342
Psychology.....	280	319	312	319	385	375	395
Non-S&E <sup>2</sup> .....	6,293	6,332	6,388	6,354	6,858	7,328	7,162
Grand total.....	7,834	7,829	7,909	7,941	8,503	8,990	8,941

See explanatory information and SOURCES at end of table.

**Appendix table 3-30. Earned bachelor's degrees conferred by all schools and by institutions in Puerto Rico to Hispanic women, by field: 1987-1994, selected years**

Page 2 of 2

Field	1987	1989	1990	1991	1992	1993	1994
Percentage from institutions in Puerto Rico							
Total science and engineering.....	28.3	24.9	23.5	21.3	19.0	17.9	17.2
Engineering.....	28.9	27.3	30.5	29.6	34.4	30.7	32.1
Sciences.....	28.3	24.7	22.9	20.6	18.0	17.0	16.2
Natural sciences.....	38.5	40.7	40.5	37.1	34.2	33.1	30.6
Physical science <sup>1</sup> .....	36.1	46.3	44.5	39.1	42.7	42.9	44.3
Mathematical science.....	22.4	20.1	13.4	26.2	6.9	8.6	4.9
Computer science.....	27.1	29.0	28.4	32.9	30.5	27.0	26.2
Biological science.....	47.8	47.6	48.1	40.5	40.0	38.3	34.3
Agricultural science.....	25.7	30.8	36.5	34.8	0.0	0.0	15.4
Social sciences.....	20.5	15.8	13.9	12.7	11.2	10.8	10.6
Social science.....	18.3	11.9	10.7	10.3	7.7	8.3	8.6
Psychology.....	23.5	21.0	18.2	16.0	15.9	14.1	13.2
Non-S&E <sup>2</sup> .....	39.1	36.5	34.2	30.6	30.7	29.6	27.0
Grand total.....	36.3	33.5	31.4	28.1	27.4	26.4	24.3

<sup>1</sup> In this table, "Physical science" includes earth, atmospheric, and ocean sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

NOTES: Data on race/ethnicity were collected biennially from 1977 through 1989 and annually thereafter. Data on race/ethnicity of degree recipients are collected on broad fields of study only; therefore, these data could not be adjusted to the exact field taxonomies used by NSF. Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

SOURCE: Tabulations by National Science Foundation/SRS; data from National Center for Education Statistics IPEDS Completions Surveys, 1987-1994.